# PrintJet ADVANCED

**User Manual**

Weidmüller

# Foreword

### Revisions

| Version | Date | Change |
|---|---|---|
| 1.0 | 01/13 | First edition |
| 1.1 | 03/13 | First revised edition |

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# 1 Introduction

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This user manual provides all the information you need for trouble-free operation of the **PrintJet ADVANCED** (hereafter called printer or device).

This user manual must be read, understood, and followed by members of staff before commencing work, maintenance tasks, cleaning, and troubleshooting at the printer. This applies, in particular, to any safety information.

After reading the user manual you will be able to

- operate the printer safely,
- clean the printer correctly,
- take appropriate action in the event of a fault.

In addition to this user manual, it is necessary to comply with the general laws and other regulations concerning accident prevention and environmental protection in the country of use.

This user manual is an integral part of the printer.

It must be kept with the printer throughout its service life.

## 1.1 Notational conventions

Passages of this operating manual that require special attention or are a direct hazard warning are shown as follows:

**⚠ DANGER**

**Electrical hazard warning**

This warning sign indicates an electrical hazard.

Only qualified and authorized electrical specialists are allowed to work on electrical equipment.

**⚠ WARNING**

This warning indicates a potential hazard which, unless avoided, could involve a medium risk of death or (serious) injury.

**⚠ CAUTION**

This warning sign indicates a low risk situation which, if not avoided, could result in minor or moderate injury.

***NOTE***

This warning indicates a hazard which, unless avoided, could involve a low risk of material damage.

**Important information**

This symbol indicates information about a printer function or setting, or that due care and attention are required. It also indicates information which must be followed at all times.

The following notational conventions are also used:

- Text following this mark represents an item in a list.

- Text following this mark represents subordinated lists.

**1** Several activities which must be executed in the specified sequence are marked by consecutive numbering.

[ ] Buttons which must be actuated in the software are shown in square brackets.

This symbol or text in " " refers to other chapters and sections in this user manual or to other documents.

**Symbols used in the manual**

In this user manual, particular hazards are identified by the following symbols:

| | |
|---|---|
| | **Hot surface warning**<br>This symbol warns of a burn hazard due to hot surfaces. |
| | **Crush hazard**<br>This symbol warns of a crush hazard, for instance to your hands. |
| | **Automatic start-up warning**<br>This symbol warns of automatic printer startup. |
| | **Electromagnetic interference warning!**<br>This symbol warns of electromagnetic interference fields, which may negatively influence operation of the device. |

## 1.2 Warranty and liability

The obligations specified in the supply contract, the general and delivery terms and conditions of Weidmüller Interface GmbH & Co. KG, and the legal regulations in force at the time the contract was signed apply.

All the information and instructions in this user manual have been compiled in line with applicable standards and regulations, state-of-the-art technology, and our extensive knowledge and experience.

Warranty and liability claims for personal injury and material damage are excluded if they are attributable to one or more of the following causes:

- Unintended or inappropriate use of the printer (also see section "2.5 Intended use"),
- Inappropriate installation, commissioning, operation, maintenance or cleaning of the printer
- Operation of the printer with defective or incorrectly fitted printer enclosure,
- Failure to heed information in the user manual regarding installation, commissioning, operation, maintenance and cleaning of the printer
- Deployment of untrained personnel
- Structural alterations to the printer (modifications or other alterations to the printer are prohibited.) Non-compliance will result in the printer's EC Declaration of Conformity no longer being valid)
- Technical modifications
- Opening the printer enclosure,
- Use of out-of-date ink cartridges,
- Use of unapproved spare parts or spare parts that do not satisfy technical requirements
- Disasters, effects of extraneous elements and force majeure

We reserve the right to make technical alterations in the course of further development and improvement of features.

## 1.3 Copyright

This operating manual is protected by copyright and intended for internal use only.

This user manual or parts thereof must not be passed or disclosed to any third party or be reproduced or exploited in any form without the prior written consent of Weidmüller Interface GmbH & Co. KG except for internal use.

Contravention results in liability for damages. Further claims remain reserved.

## 1.4 Guarantee terms

The guarantee terms and conditions are contained in the general terms and conditions of Weidmüller Interface GmbH & Co. KG.

# 2 Safety information

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**⚠ WARNING**

**Failure to observe the safety information below may have serious consequences:**

- Risk to persons due to electrical and chemical hazards
- Failure of functions.

Read the safety and hazard information in this section thoroughly before putting the printer into operation.

In addition to the information specified in this user manual, the plant operator/machine operator must comply with national occupational health and safety regulations.

It is also important to follow in-house rules and regulations.

## 2.1 General safety information

In the following cases, you must disconnect the printer from all sources of power and contact a qualified service technician:

- The power cable or plug are worn or damaged.
- Liquid has penetrated the Print**Jet ADVANCED**.
- The Print**Jet ADVANCED** has fallen down or the enclosure has been damaged.
- The performance of the Print**Jet ADVANCED** is not up to the required standard, e.g. poor print quality or insufficient resistance to smearing and scratching.

**⚠ CAUTION**

**Never remove the printer enclosure!**

There is a potential risk of injury!

Only qualified service technicians should replace components inside the device.

***NOTE***

**Damage to the device!**

The printer enclosure should not be removed.

Opening the enclosure will result in the loss of any warranty rights!

Only qualified service technicians should replace components inside the device.

- Always read and understand the user manual before commencing operation and maintenance tasks at the printer.
- Only use the printer for its intended purpose (see section "2.5 Intended use").
- Keep all safety and warning signs on the printer clean and renew them, if necessary.
- Only trained personnel are allowed to use the printer.
- Always keep the user manual with the product for future reference. It must be ensured that everyone involved with the device is able to view the user manual at any time.

## 2.2 General operating information

- When selecting the installation site for the printer, ensure the ambient conditions are suitable (also see chapter "9.1 Technical data").
- The openings in the enclosure of the printer must not be blocked or covered over.
- Do not switch off the printer! The printer automatically goes into standby mode. The operating parameters are only retained while the printer is turned on. These parameters ensure, for example, that the printhead is cleaned optimally.
  Switching off the printer may result in the ink cartridge nozzles becoming blocked.
- Do not open the ink tank lid during operation.
- Print some MultiCards/MetalliCards every week. This is the only way to preserve print quality.
- Only use products that have been produced or approved by Weidmüller (M-Print® PRO software, MultiCards/ MetalliCards and ink cartridges). Otherwise no liability can be assumed for the quality and durability of printing.

| | |
|---|---|
| | ***NOTE*** |
| | The Weidmüller warranty does not cover faults or damage to the printer resulting from the use of unapproved or unsuitable accessories or consumable materials. |

**Handling ink cartridges**

- Keep ink cartridges out of reach of children.
- Never allow children to play with ink cartridges.
- Printer ink is not suitable for human consumption. No not allow ink to come into contact with the mucous membranes.
- If you accidentally swallow any ink, rinse out your mouth and drink plenty of water. Do not induce vomiting.
- Always handle used ink cartridges with care as a small amount of ink could remain in the ink supply outlet. If you get ink on your skin, wash thoroughly with soap and water.
- Never touch the ink supply outlet of the ink cartridge or the area around it.
- Do not shake ink cartridges, as this may cause ink to leak.
- Do not disassemble or try to refill ink cartridges.
- Store unopened ink cartridges in a cool and dry place, preferably in a refrigerator at about 4 °C.
- Before using an ink cartridge that has been stored in a colder place, allow the cartridge to stand at room temperature for at least three hours.
- Only remove ink cartridges from the printer when they are empty or their use-by date has expired. Removing an ink cartridge can cause leaks in the connection between the ink cartridge and the ink line. This can lead to a faulty ink feed system.
- Never use out-of-date ink cartridges.
  When the use-by date of the ink approaches (printed on the packaging), a message is displayed at the touch panel. Replace the specified ink cartridge (see section "6.2 Replacing ink cartridges"). For the best printing results, the ink in the cartridge should be used within nine months of installation.

| | |
|---|---|
| | ***NOTE*** |
| | Using expired ink reduces the print quality and can cause damage to the printer. |

- Install ink cartridges in the printer immediately after removing them from the packaging. The print quality can be impaired if an ink cartridge is left unpacked for any length of time before use.
- Ink is used when a new ink cartridge is inserted or when the ink tank lid is opened, as the printer always carries out a reliability check.
- Always handle ink cartridges with care, otherwise ink could spill and cause soiling.

## 2.3 Safety measures for environment protection

**Recycling in accordance with WEEE**

**B-to-B disposal**
Purchasing our product gives you the opportunity to return the device to Weidmüller at the end of its service life.
The EU Directive 2002/96 EC (WEEE) regulates the return and recycling of waste electrical and electronics equipment. In the business-to-business sector (B-to-B), manufacturers of electrical equipment have been obligated since August 13, 2005 to take back and recycle free of charge all electrical equipment sold after that date. After that date, electrical equipment must not be disposed through the 'normal waste disposal channels'. Electrical equipment must then be disposed of and recycled separately.

All devices that fall under the directive must feature this symbol:

## 2.4 Symbols and information used on the device

The following information and symbols are attached to the printer:

| | |
|---|---|
| | **Hot surface warning**<br>This symbol warns of a burn hazard due to hot surfaces. |
| | **Crush hazard**<br>This symbol warns of a crush hazard, for instance to your hands. |
| | **Automatic start-up warning**<br>This symbol warns of automatic printer startup. |

| | |
|---|---|
| | **Insertion instructions**<br>This symbol displays the correct insertion direction of the MultiCards. |

**Warning label on the device**

Achtung: Gerät nicht öffnen !
Öffnen Sie nicht das Gehäuse ! Verletzungsgefahr ! Es gibt keine zu wartenden Teile im Inneren des Gerätes. Durch das Öffnen verlieren Sie alle Garantieansprüche.
Attention: Do not open the printer !
Do not open the printer enclosure ! There are no serviceable parts inside. Opening the enclosure will cause loss of any warranty rights and may result in severe injuries.
USB
LAN
2.5 AHT Fuse 10 AHT
Power

| | |
|---|---|
| | **Important information**<br>Keep all safety and hazard signs on the device clean and renew them, if necessary. |

## 2.5 Intended use

This printer is only intended for use in applications as described in the user manual. Any other form of usage is not permitted and can lead to accidents or destruction of the device. Using the printer in unapproved applications will lead immediately to the expiration of all guarantee and warranty claims on the part of the operator against the manufacturer.

Using the printer for purposes other than those specified or failure to observe the operating instructions and warning notes can lead to serious malfunctioning that may result in personal injury or damage to property.

Only use the software M-Print® PRO, MultiCards/MetalliCards and inks which have been approved for this marking system by Weidmüller.

Weidmüller can make no guarantee for the print quality and resistance when a different software and other MultiCards/MetalliCards and ink are used.

Claims of any kind for personal injury or material damage arising from unintended use are ruled out.

The plant operator alone is liable for any injury or damage attributable to unintended use.

Intended use also includes:

- Heeding all information from the operating manual
- Complying with the operating and maintenance conditions.

| | |
|---|---|
| | ***NOTE*** |
| | **Damage due to unintended use!**<br>Any kind of unintended use of the printer may result in damage. |

**Structural modifications to the device**

Construction and acceptance are based on the German Product Safety Act (ProdSG). Never modify the printer.

Non-compliance will invalidate the printer's EC Declaration of Conformity. Such a breach absolves the manufacturer of the printer from warranty.

Replace any defective components of the printer immediately.

Only use original spare parts (ink cartridges, MultiCards/MetalliCards, wastepad). Only they satisfy the technical requirements.

## 2.6 Residual risks when using the device

The device has a state-of-the-art design and complies with recognized safety rules and regulations. However, the printer can still be impaired when used.

Only use the device "as intended".

When using the device, observe the warning signs at the device and the safety information in this user manual.

Any faults that could impair safety must be rectified immediately.

## 2.6.1 Hazards due to electricity

**⚠ DANGER**

**Electrical hazard warning**

Touching live parts is a direct risk to life. Damage to the insulation or individual components may result in fatal injury.

- Only electrical specialists are allowed to work on the printer's electrical components.
- Only connect the device to a properly grounded and fused socket. Do not use a socket already being used by devices that are turned on and off at regular intervals, such as photocopiers or fans.
- Do not connect the printer to either a switch-operated or a timer-controlled power outlet.
- Never use damaged or worn-out power cables.
- If you connect the Print**Jet ADVANCED** to the power supply via an extension cable, ensure that the total nominal current of all of the devices connected to the extension cable does not exceed the ampere rating for that extension cable. Also ensure that the total nominal current of all the devices plugged into the wall-mounted socket outlet does not exceed the ampere rating for that power outlet.
- Regularly inspect the printer's electrical components for defects, such as loose connections or damage to the insulation.
- If there is damage, immediately switch off the printer's power supply and have the damage repaired.
- Never bypass fuses or take them out of operation.
- When replacing fuses, pay attention to the correct amperage.
- Keep moisture away from live parts as it can cause short-circuits. Pay particular attention to this when cleaning the printer.
- Have extension and device cables with plugs and sockets tested by an electrical specialist, or by a trained person using suitable inspection facilities, at least every 6 months.
- Modifications carried out after testing must comply with DIN EN 60204-1.

### 2.6.2 Hazards due to hot surfaces

**⚠ CAUTION**

**Burn hazard due to hot surfaces**

Contact with hot components can cause burns.

Make sure all components have cooled down to the ambient temperature prior to carrying out any work.

### 2.6.3 Hazards due to incorrect spare parts

***NOTE***

Incorrect or faulty spare parts may cause damage, malfunctions, or total failure, and may also give rise to safety hazards.

Use original spare parts only.

Purchase spare parts from Weidmüller. The necessary details about spare parts are given in section "9.2 Ordering data“.

## 2.7 Safety devices and guards

- Only operate the printer with the printer enclosure in place and the ink tank lid closed.
- Do not remove the printer enclosure. Opening the enclosure will cause a loss of all warranty rights.

## 2.8 Obligations of the plant operator

The device is used in an industrial plant. The device operator is therefore subject to the legal requirements concerning occupational health and safety.

In addition to the safety information in this user manual, it is necessary to comply with the safety, accident prevention, and environmental protection regulations in force in the country of use. The following applies in particular:

- The operator must clearly define and arrange the responsibilities for installation, commissioning, operation, maintenance, and cleaning.
- The operator must ensure that all personnel working on or with the printer have read and understood this user manual.
- The operator must provide sufficient lighting at the control points of the printer in accordance with local occupational health and safety regulations.

Furthermore, the operator is responsible for keeping the printer in a perfect working order. The following therefore also applies:

- The operator must ensure that all messages on maintenance indicated at the touch panel and described in this user manual are adhered to.

## 2.9 Personnel requirements

### 2.9.1 Qualifications required by personnel

**⚠ WARNING**

**Injury hazard due to inadequate qualifications**

Inappropriate handling of the printer can lead to injuries.

All activities must therefore be carried out by qualified personnel only.

***NOTE***

**Damage to the device due to inadequate qualifications**

Inappropriate handling can lead to material damage.

All activities must therefore be carried out by qualified personnel only.

### 2.9.2 Obligations of personnel

Before working on or with the device, all persons undertake the following:

- To comply with basic regulations concerning health, safety and accident prevention
- To read the safety information and warnings in this user manual and to confirm with their signature that they have understood the issues

### 2.9.3 Responsibilities

The responsibilities of personnel for installation, commissioning, operating, maintenance, and cleaning must be clearly defined.

Personnel require the following qualifications for the various activities:

**Skilled personnel**

Skilled personnel are able to do their work and recognize/avoid potential hazards on their own as a result of their training, knowledge and experience and their familiarity with regulations.

**Electrical specialists**

Electrical specialists are able to work independently on electrical equipment and recognize/avoid potential hazards as a result of their training, knowledge, and experience, as well as their familiarity with standards and regulations.

Electrical specialists have been trained for their specific task and know the relevant standards and regulations.

# 3 Printer description

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Combined with the marking software M-Print® PRO, the ink-jet printer Print**Jet ADVANCED** is a marking system for MultiCards and MetalliCards.

This system can be used for the individual marking of equipment quickly and conveniently. The Print**Jet ADVANCED** uses a brilliant permanently-readable printing process to print MultiCard-formatted markers for switching devices, machines, terminal blocks, cables, wires, and valves. A secure and permanent label is ensured through high-level resistance to smearing and scratching, UV-stability, and the high printing resolution for all markers. The Print**Jet ADVANCED** allows you to print very small fonts. Even the smallest characters are easy to read, permitting you to increase the markers' information density.

The MultiCards can be fed individually or inserted as stack (of up to 30 MultiCards) into the loader.

MetalliCards should only be inserted individually. Stack processing is not intended for MetalliCards. The MetalliCard is inserted into an inlay for processing.

The MultiCard fed into the printing unit is printed with a thermally-hardened ink and then transferred to a fixation unit.

In the fixation unit, the ink is then hardened with a special heat radiator. The duration of this process is varies for MultiCards and MetalliCards.

Finally, the MultiCard/MetalliCard is fed out of the Print**Jet ADVANCED** onto the output rail and can be removed.

The MultiCard/MetalliCard can be used immediately. Please note that the MultiCards and MetalliCards become hot due to the fixation process. If necessary, let them cool down before removing them from the output rail.

The Print**Jet ADVANCED** should not be switched off. If the Print**Jet ADVANCED** is not used, it automatically goes into standby/energy-saving mode. This optimizes the cleaning cycles and thus increases the availability of the printer.

## 3.1 Printer

### 3.1.1 Overview

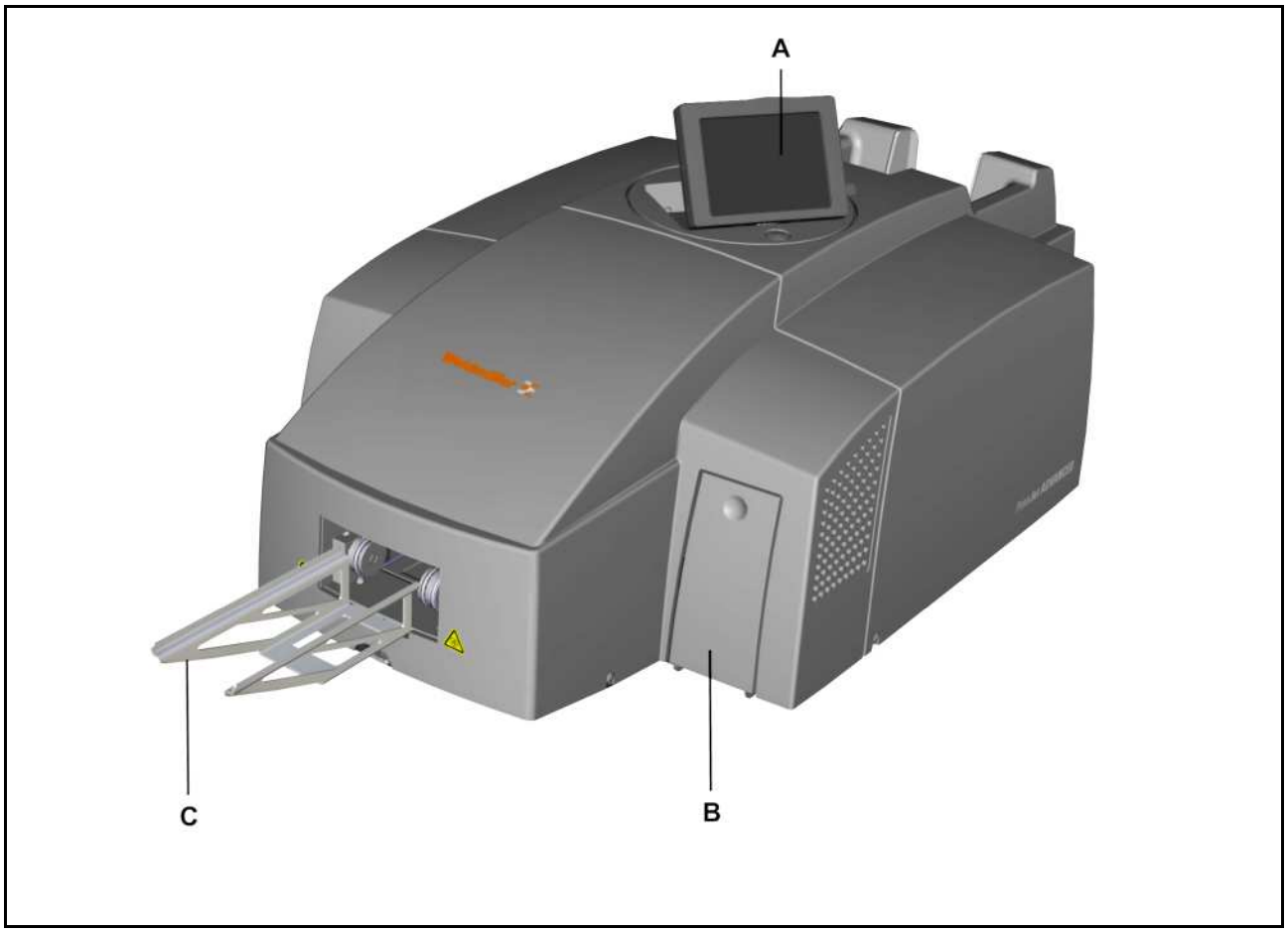


Figure 1 Front view of the printer

**A** Touch panel

**B** Ink tank lid

**C** Output rail

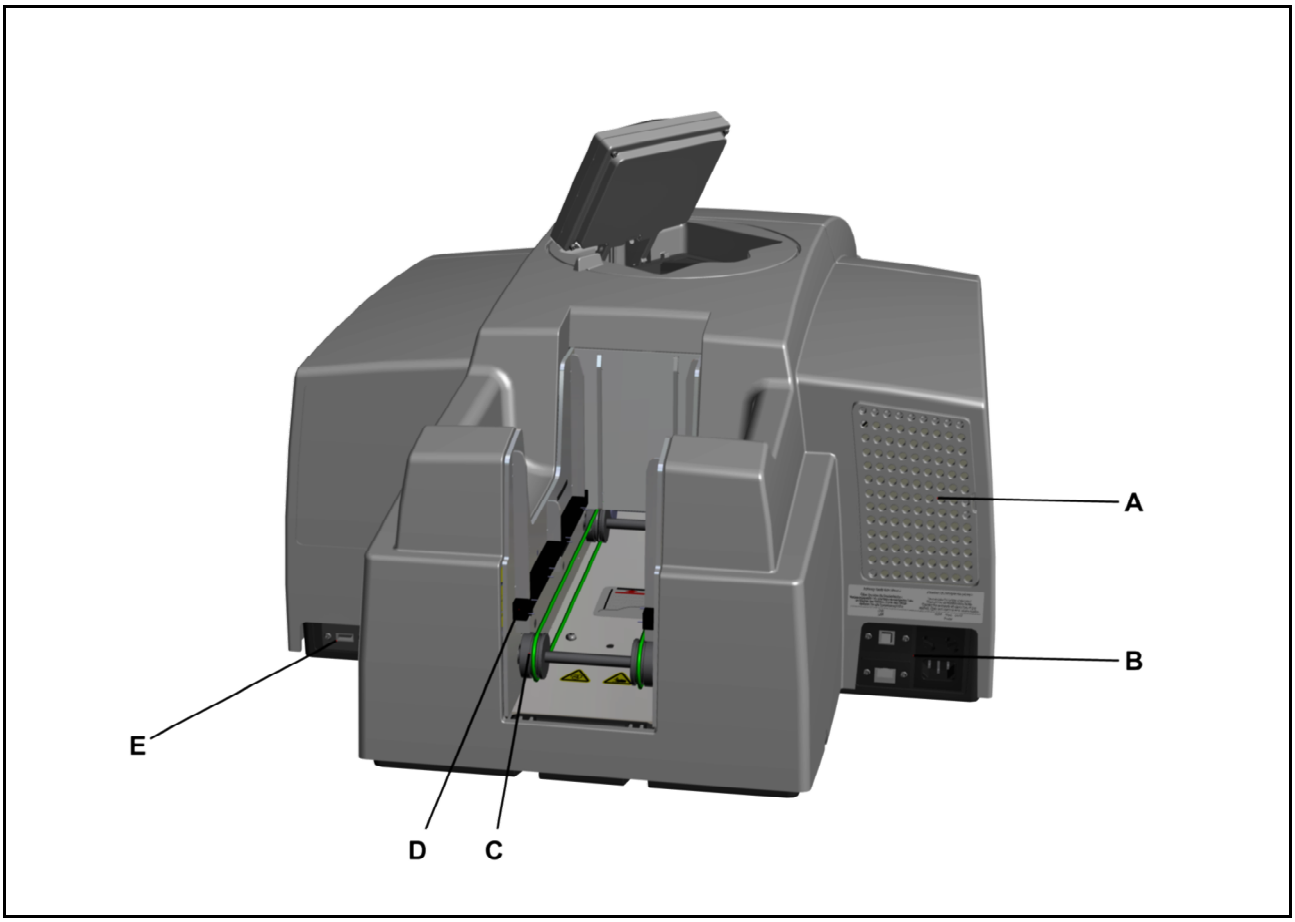


Figure 2 Rear view of the printer

**A** Filter cover
**B** Connectors
**C** MultiCard/MetalliCard input
**D** Stack input (loader)
**E** Interface USB master for connecting a USB stick

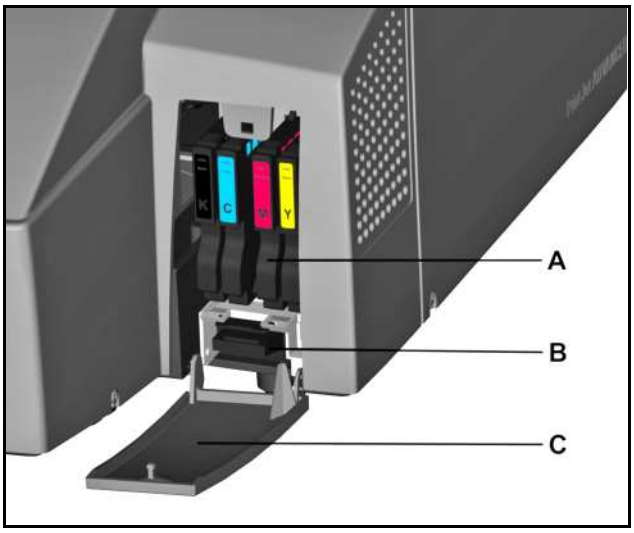


Figure 3 Open ink tank lid

**A** Ink cartridges

**B** Wastepad

**C** Ink tank lid (open)

### 3.1.2 Connectors

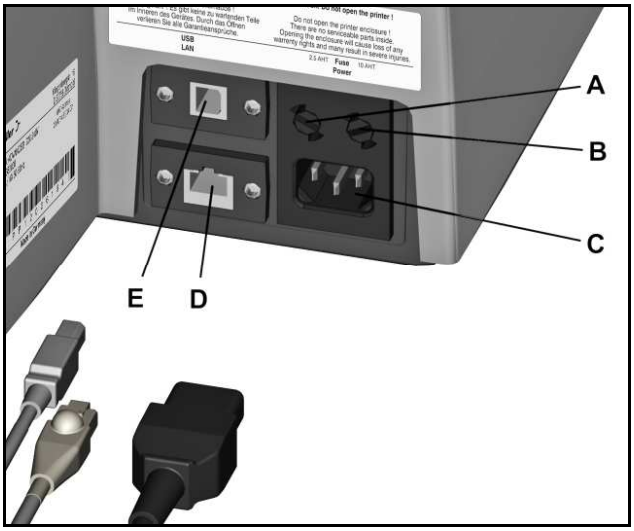


Figure 4 Connectors

**A** Left-hand fuse (2.5 ampere)

**B** Right-hand fuse (10 ampere)

**C** Mains power supply connection

**D** Network interface (RJ45 connector)

**E** USB slave for connecting the PC

### 3.1.3 Rating plate

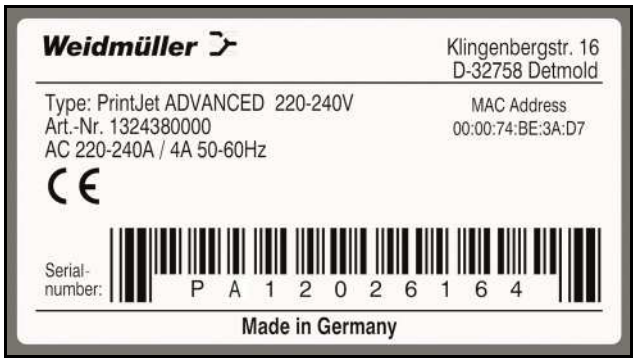


Figure 5 Rating plate

The rating plate contains information on the mains voltage, article number, serial number, and MAC address (address of the network card).

## 3.2 MultiCards and MetalliCards

MultiCards made from plastic and MetalliCards made from aluminum or stainless steel can be printed with the Print**Jet ADVANCED** printer.

The marking system, consisting of the Print**Jet ADVANCED** printer and the M-Print® PRO software, has been designed by Weidmüller for MultiCards or MetalliCards.

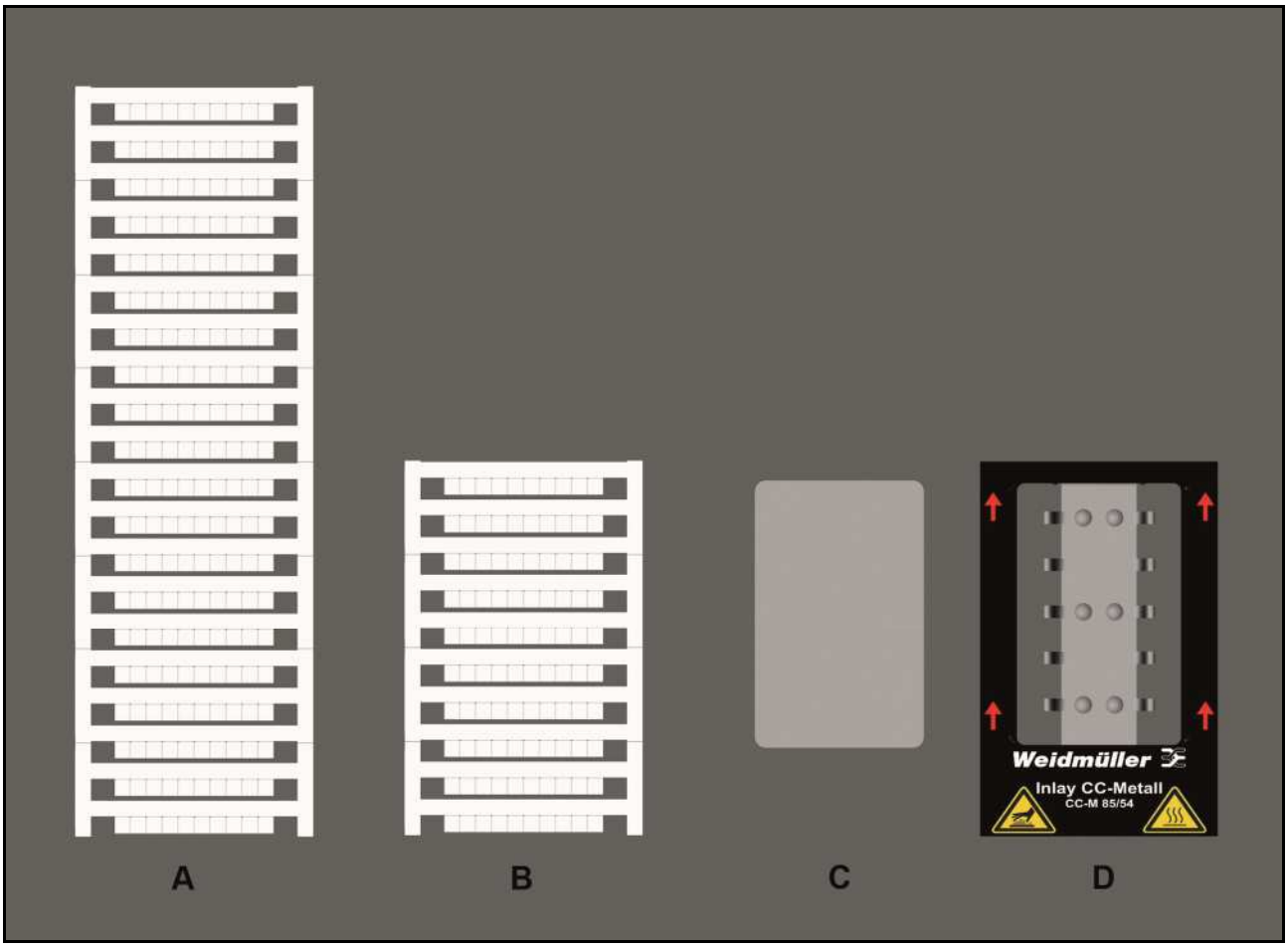


Figure 6 MultiCards/MetalliCard

**A** Example: MultiCard

**B** Example: Half MultiCard

**C** Example: MetalliCard

**D** Example: Inlay for MetalliCards

The MultiCards can be inserted individually or in stacks. MetalliCards should only be inserted individually.

MultiCards can be halved. To receive a half MultiCard, bend the complete MultiCard in the middle and break in half.

Complete and half MultiCards should not be mixed in a stack.

It is, however, possible to process different MultiCard types in a stack, e.g. DEK 5/5 and SM 27/27.

### Description of the MultiCard

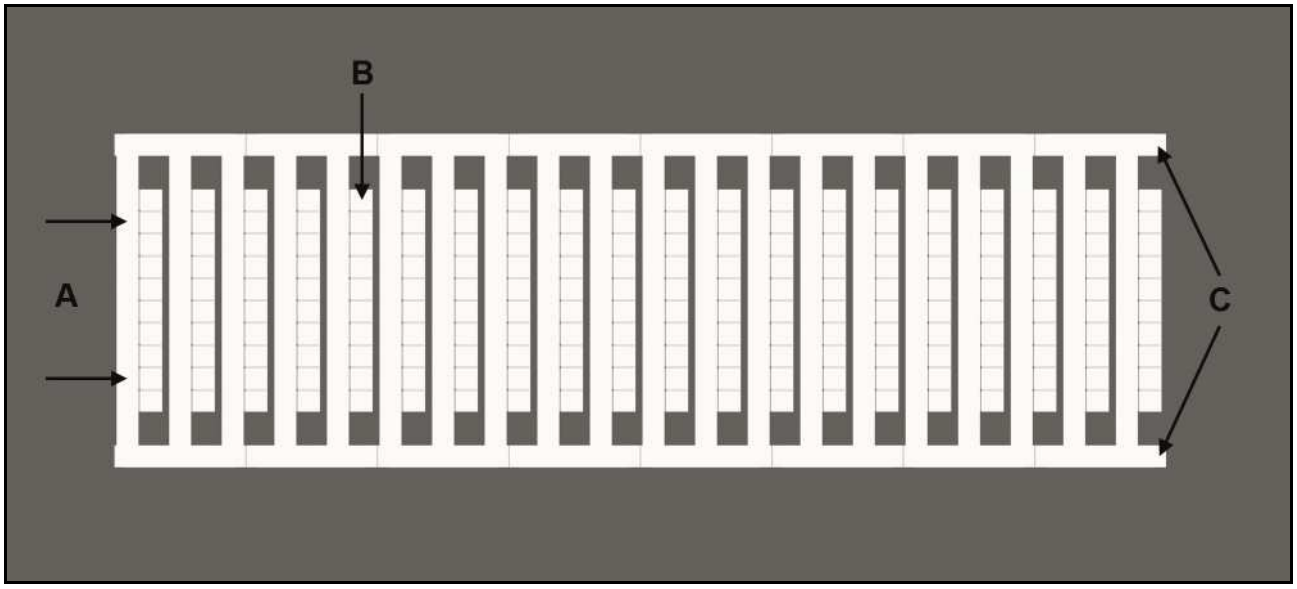


Figure 7 Description of the MultiCard

**A** First project marker surface

**B** Marker area

**C** Side strip

# 4 Setup


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## 4.1 Unpacking

**⚠ CAUTION**

**Crush hazard during transport**

Because of its weight the printer must always be carried by two people. Always hold the printer at the front and rear when carrying it.

***NOTE***

Because of its weight the printer must always be carried by two people. Always hold the printer at the front and rear when carrying it.

Always transport the printer in a horizontal position. If transported improperly, ink may escape and soil or damage the device.

1 Open the packaging.

2 Take out all the accessories.

3 Two people must lift the printer with the polystyrene packaging material out of the box.

4 Remove the polystyrene packaging material.

**Important information**

Keep the original packaging for any future transport.

## 4.2 Scope of supply

When you have taken the Print**Jet ADVANCED** and all accessories out of the packaging, make sure you have all the following items:

- Power cable
- USB cable
- 1 MultiCard DEK 5/5
- 10 MetalliCards CC-M 85/54 AL
- 10 primer cloths
- 1 Inlay CC 85/54
- Output rail
- DVD with the M-Print® PRO software
- Quick guide
- User Manual

## 4.3 Installing the printer

***NOTE***

Do not use the device near potential sources of electromagnetic interference, such as loudspeakers or the base stations of cordless telephones, as this can impair its function.

**Important information**

When installing the printer, make sure you provide the necessary operating and maintenance spaces.

**NOTE**

- The printer must be placed on a flat, stable surface. The printer will not operate properly if it is tilted or at an angle.
- Avoid locations that are subject to strong fluctuations in temperature and humidity.

Also see section “9.1 Technical data”.

- Do not expose the printer to direct sunlight, strong light or excessive heat.
- Avoid locations that are subject to impact shocks or vibrations.
- Do not use a table joined to other tables in order to avoid the transmission of vibration.
- Avoid installation sites that are subject to a large amount of dust.

1. Pay attention to the information given above.
2. Place the printer on a surface that extends beyond the base area of the printer on all sides.
3. Leave enough space in front of the output rail to allow the printer to output MultiCards/MetalliCards without hindrance.
4. Install the printer in such a way that it is sufficiently ventilated on all sides.
5. Install the printer near a power socket so that the plug can be readily removed in the event of a fault.

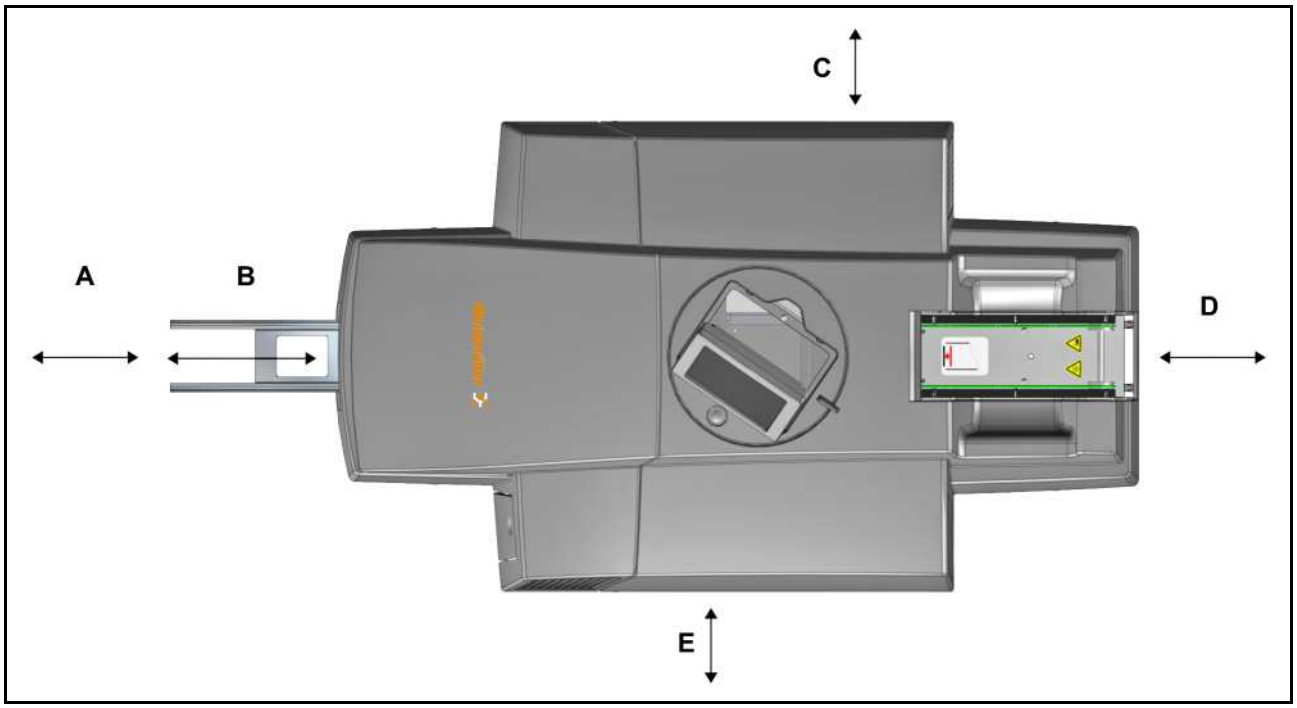


Figure 8 Operating and maintenance spaces

**A** 250 mm
**B** 200 mm output rail
**C** 100 mm
**D** 250 mm
**E** 100 mm
Weight: approx. 37.2 kg

## 4.4 Removing the transport restraints

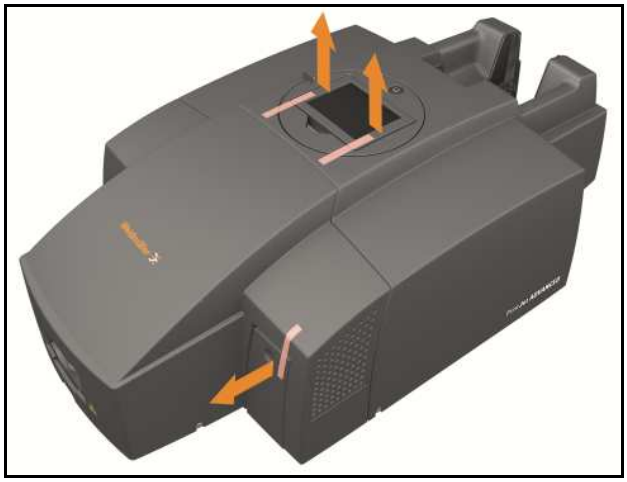

Figure 9 Transport restraints

1. Remove the transport restraints from the touch panel.
2. Remove the transport restraint from the ink tank lid.

## 4.5 Fitting the output rail

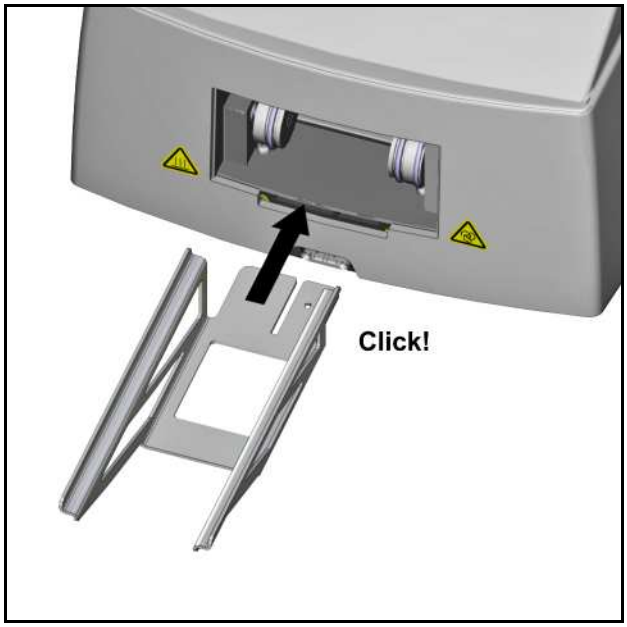


Figure 10 Fitting the output rail

Fit the output rail, letting it snap into place.

## 4.6 Positioning the touch panel

The touch panel can be raised up to three rest positions. A 'click' sound indicates that the touch panel is engaged in one of the rest positions. After a fourth 'click' sound, the touch panel is unlocked and can be gently lowered down.

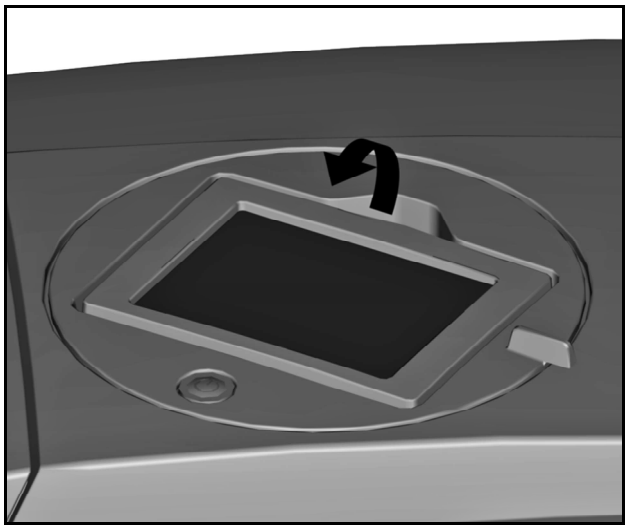

Figure 11 Touch panel lowered

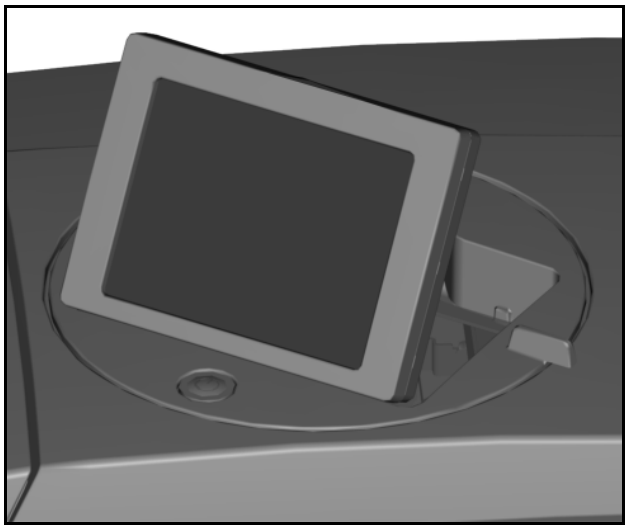

Figure 12 Touch panel raised

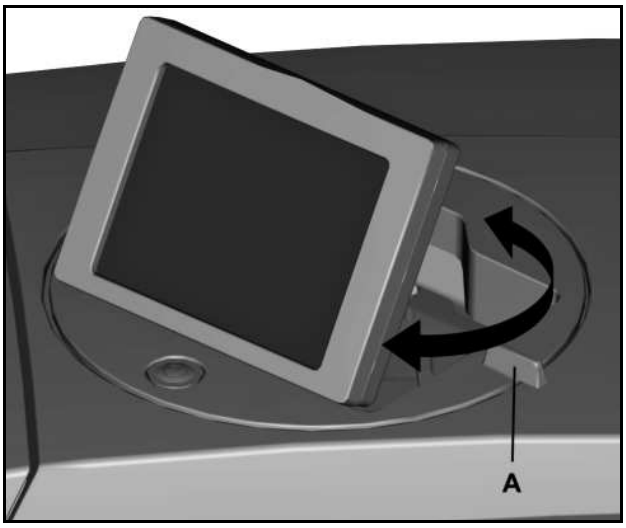


Figure 13 Rotating the touch panel

**1** Raise the touch panel to the desired position (see "Figure 11 Touch panel lowered").

The touch panel can be rotated 270°.

**2** Rotate the touch panel by its handle (A) to the required position (see "Figure 13 Rotating the touch panel").

## 4.7 Connecting the power plug

**⚠ DANGER**

**Electrical hazard warning**

- The supply voltage must match the voltage given on the printer's rating plate.
- Only connect the device to a properly grounded and fused socket.
- Do not use a socket already being used by devices that are turned on and off at regular intervals, such as photocopiers or fans.
- Do not connect the printer to either a switch-operated or a timer-controlled power outlet.
- If you connect the Print**Jet ADVANCED** to the power supply via an extension cable, ensure that the total nominal current of all of the devices connected to the extension cable does not exceed the ampere rating for that extension cable.
- Make sure that the total nominal current of all devices connected to the wall socket does not exceed the ampere rating for that socket.
- When connecting the printer to the power supply, make sure that the building installation is protected by an appropriate backup fuse.

**DANGER**

**Warning of electrical hazard if the power cable is damaged**

A damaged power cable can

- cause a fatal electric shock and
- lead to a fire.
- Do not let the power cable get damaged and leave it in its original state.
- Do not place any objects on the power cable.
- Do not pull hard on the power cable and do not bend it any more than necessary.

Failure to comply with these instructions can cause an electric shock or a fire.

Insert the plug in a nearby socket and make sure that the socket is readily accessible.

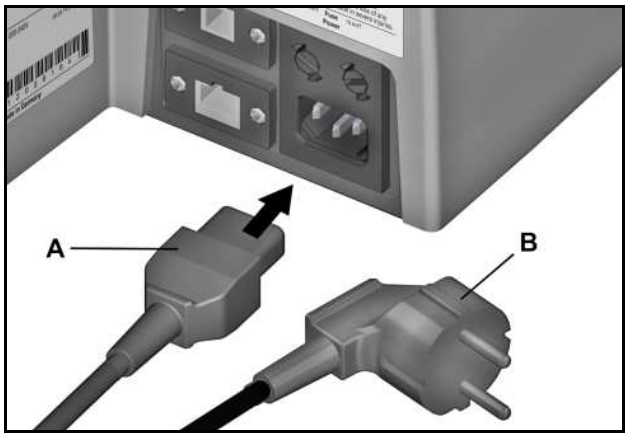


Figure 14 Connecting the power plug

**1** Connect the power cable to the printer (A).

**2** Connect the power cable to the socket (B).

**Important information**

Make sure that the plugs are inserted firmly.

## 4.8 Methods of connecting the printer

The Print**Jet ADVANCED** can be connected to the PC via the USB cable or to the local network via the network cable.

The installation methods are largely identical. Where they differ, the methods are described separately.

### 4.8.1 Connection via the network interface

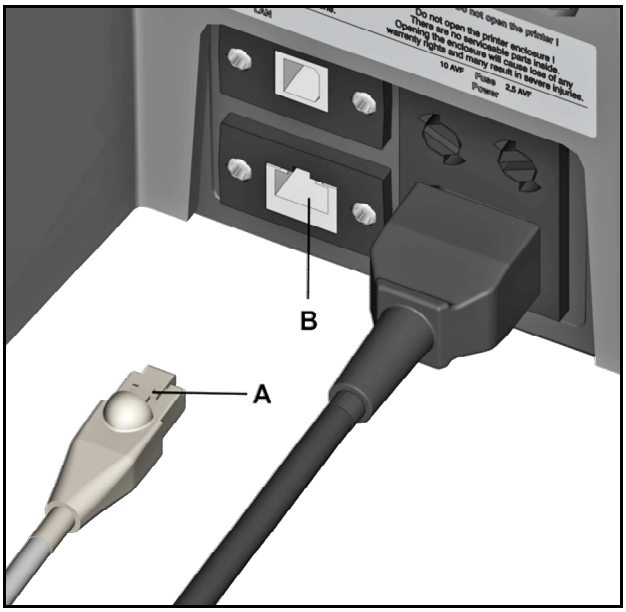


Figure 15 Connection –network cable

**A** Network cable

**B** Network interface (RJ45 connector)

**1** Connect the network cable (A) to the printer's network interface (B).

**2** Lay the cable so that there is no tripping hazard.

### 4.8.2 Connection via USB

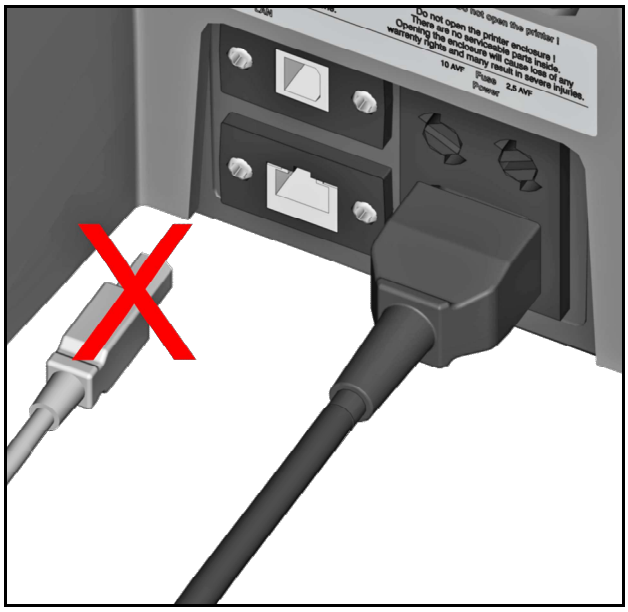

Figure 16 USB cable

**Important information**

Do not connect the USB cable until you have installed the M-Print® PRO application software.

## 4.9 Turning on the printer

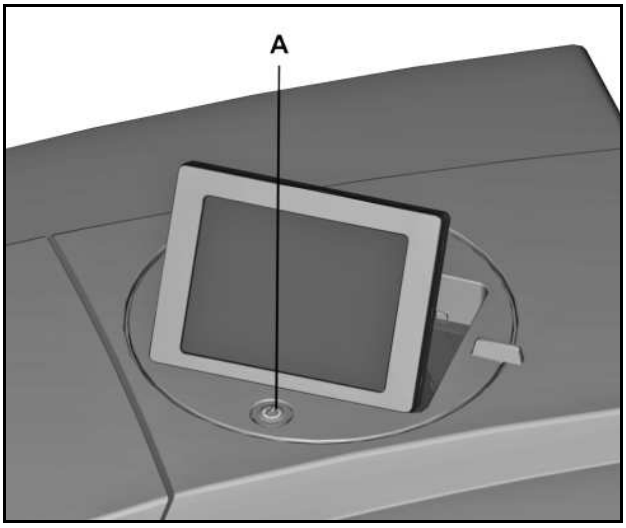


Figure 17 Turning on the printer

**A** On/off switch

Turn on the printer by briefly holding down the on/off switch.

| | |
|---|---|
| | ***NOTE*** |
| | **Do not switch off the printer!** The printer automatically goes into standby mode. The operating parameters are only retained while the printer is turned on. These parameters ensure, for example, that the printhead is cleaned optimally.<br>Turning off the printer or not using it can cause blockage of the ink nozzles after a while. |

## 4.10 Choosing the language for the touch panel

When you start up the printer for the first time, a language choice is displayed on the touch panel.

Figure 18 Touch panel – language choice

**1** Choose the required language by touching the corresponding button.

Touch this button to scroll forward to the next page and additional options.

Touch this button to scroll back to the previous page.

If the printer was turned off before you chose the language of if you want to change the language subsequently, you have to perform the following steps:

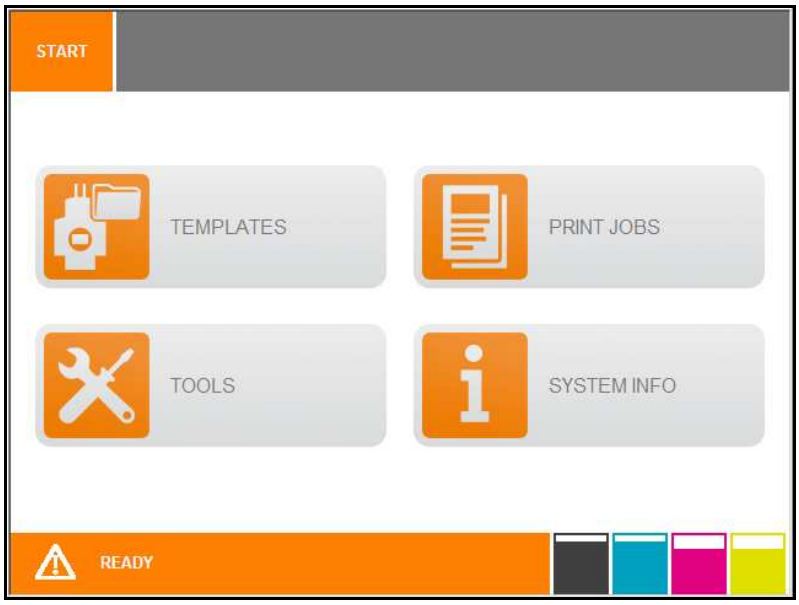


Figure 19 Touch panel – main menu

**2** Choose the [System Info] button on the touch panel's main menu.

Figure 20 Touch panel – System Info

**3** Select the [LANGUAGE] button in the System Info window.

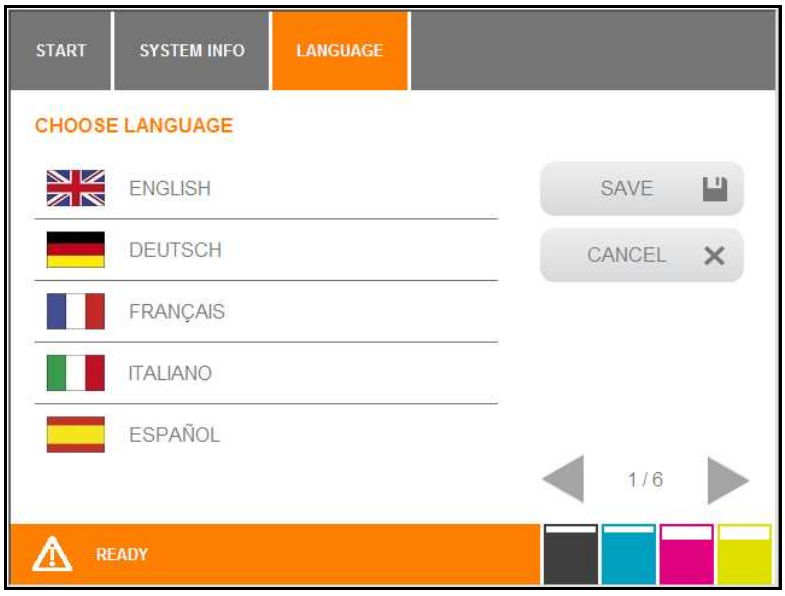


Figure 21 Touch panel – language selection

**4** Select the desired language and touch the [SAVE] button to confirm your choice.

## 4.11 Installing the standard version of the M-Print® PRO software

The marking system has been designed for the following operating systems: Microsoft Windows® 7 (32-bit/64-bit versions), Windows® Vista and Windows® XP.

**Important information**

Installation should be carried out by a specialist. Administrator rights are required for this process.

**You can find information about the application software** in the M-Print® PRO user manual.

**1** Insert the supplied DVD in the PC's DVD drive.

The DVD starts automatically and the following screen appears:

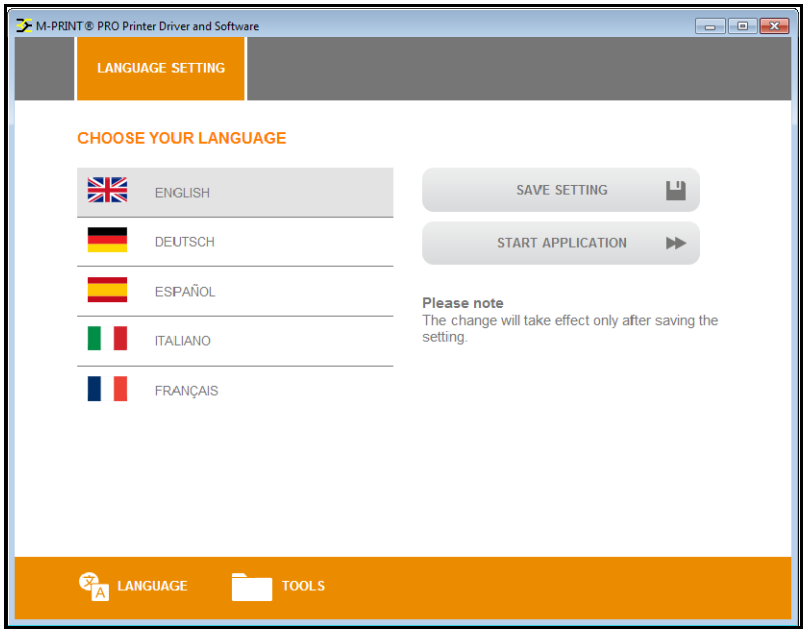


Figure 22 M-PRINT® PRO Installation - Language setting

**2** Touch the desired language.

**3** Touch the [START APPLICATION] button.

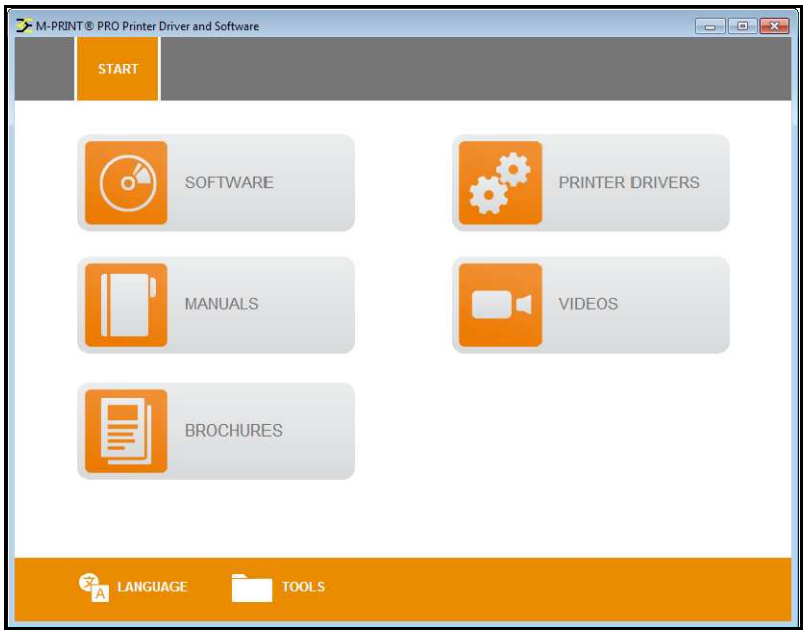


Figure 23 M-PRINT® PRO Installation - Start menu

**4** Touch the [SOFTWARE] button.

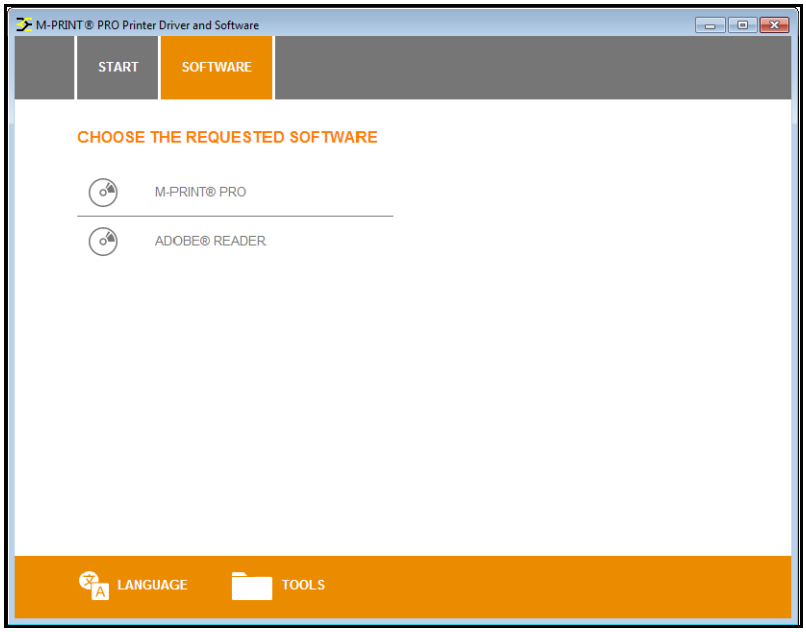


Figure 24 M-PRINT® PRO Installation - software

**5** Touch M-PRINT® PRO.

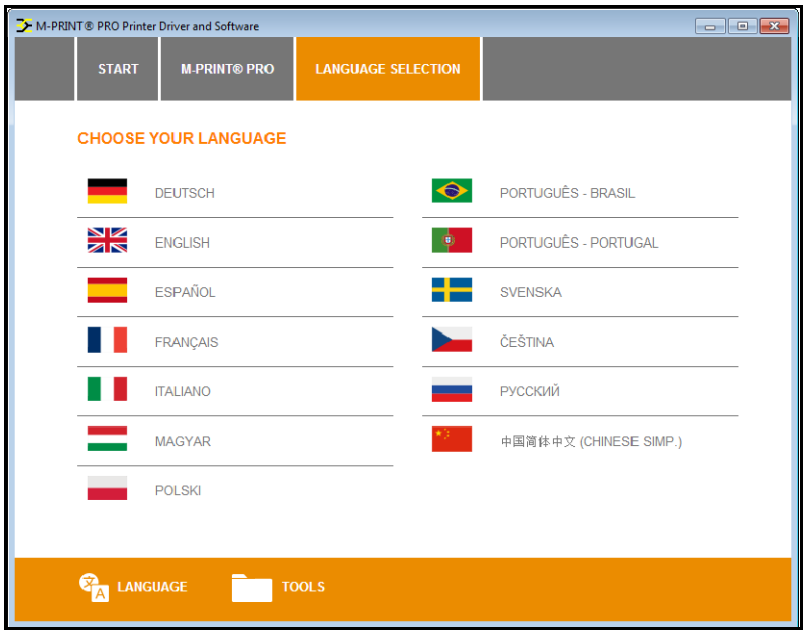


Figure 25 M-PRINT® PRO Installation - Language selection

**6** Touch the desired language.

The installation process starts automatically and the setup wizard appears.

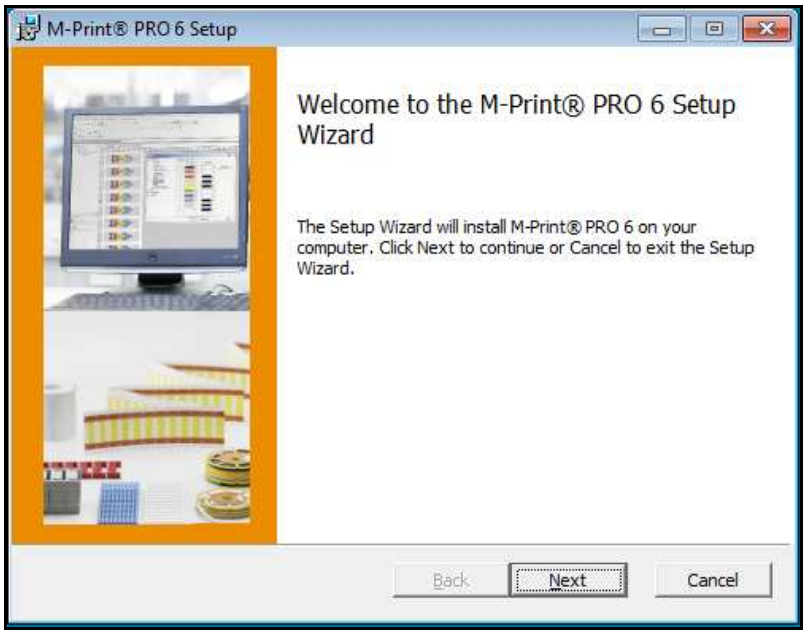
M-Print® PRO 6 Setup
Welcome to the M-Print® PRO 6 Setup Wizard
The Setup Wizard will install M-Print® PRO 6 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel

Figure 26 M-Print® PRO – setup wizard

**7** Click the [CONTINUE] button.

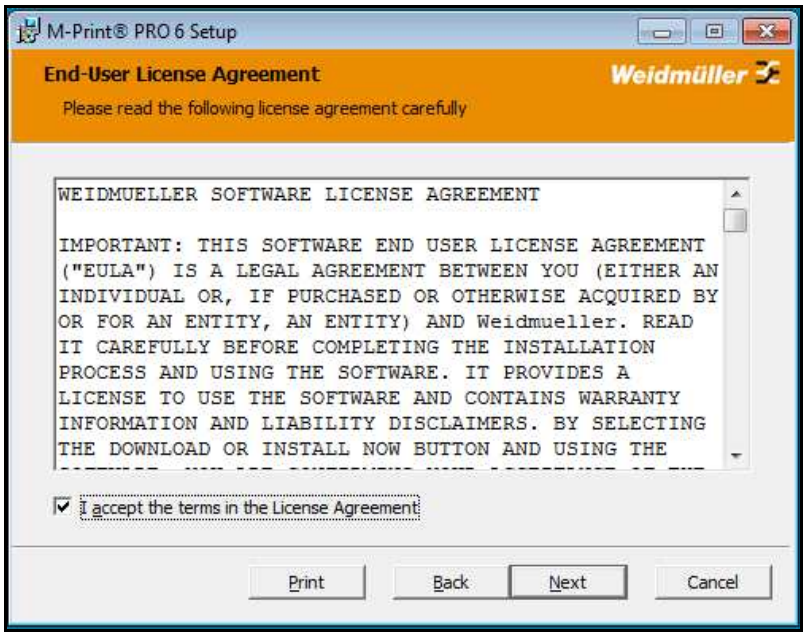
M-Print® PRO 6 Setup
End-User License Agreement
Please read the following license agreement carefully
Weidmüller
WEIDMUELLER SOFTWARE LICENSE AGREEMENT
IMPORTANT: THIS SOFTWARE END USER LICENSE AGREEMENT ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU (EITHER AN INDIVIDUAL OR, IF PURCHASED OR OTHERWISE ACQUIRED BY OR FOR AN ENTITY, AN ENTITY) AND Weidmueller. READ IT CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AND USING THE SOFTWARE. IT PROVIDES A LICENSE TO USE THE SOFTWARE AND CONTAINS WARRANTY INFORMATION AND LIABILITY DISCLAIMERS. BY SELECTING THE DOWNLOAD OR INSTALL NOW BUTTON AND USING THE
I accept the terms in the License Agreement
Print
Back
Next
Cancel

Figure 27 M-Print® PRO – accepting the license terms

**8** Accept the terms in the license agreement and press the CONTINUE] button.

**9** Choose the setup type in the next window:

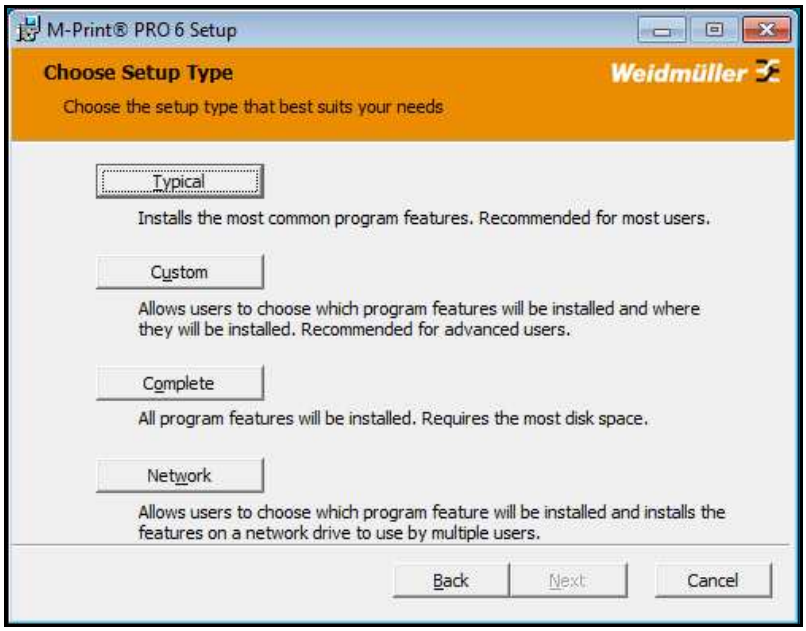
M-Print® PRO 6 Setup
Choose Setup Type
Choose the setup type that best suits your needs
Weidmüller
Typical
Installs the most common program features. Recommended for most users.
Custom
Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
Complete
All program features will be installed. Requires the most disk space.
Network
Allows users to choose which program feature will be installed and installs the features on a network drive to use by multiple users.
Back
Next
Cancel

Figure 28 M-Print® PRO – choosing the setup type

### Typical

The M-Print® PRO program is installed with the most common features.

**Custom**

The M-Print® PRO program is installed; add-on modules can be selected/deselected.

**Complete**

The M-Print® PRO program and all add-on modules are installed automatically.

**Network**

The M-Print® PRO program is installed on a shared drive on the network and can be used by multiple users.

**10** Press the [Typical] button.

**Important information**

If you want to install the network version, read section “4.14 Installing the network version of the M-Print® PRO software”.

Pressing the [Typical] button opens the following window:

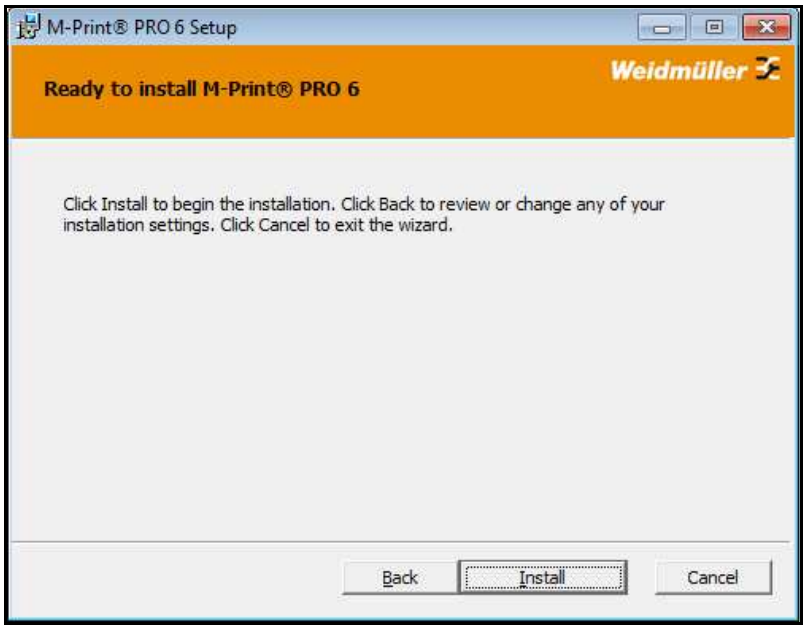
M-Print® PRO 6 Setup
Weidmüller
Ready to install M-Print® PRO 6
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Install
Cancel

Figure 29 M-Print® PRO – starting the installation process

**11** Click the [Install] button to start installation.

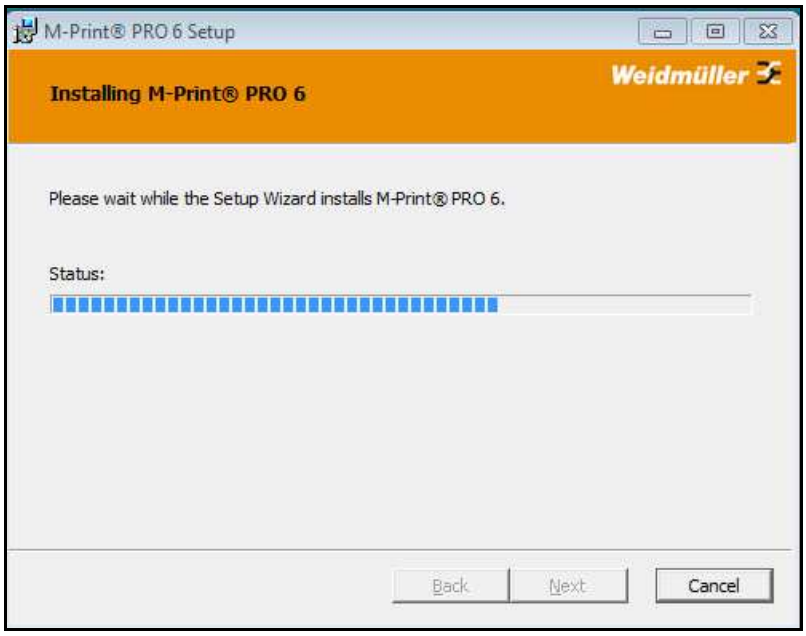


Figure 30 M-Print® PRO – status of the installation process

The installation status is shown by the progress bar.

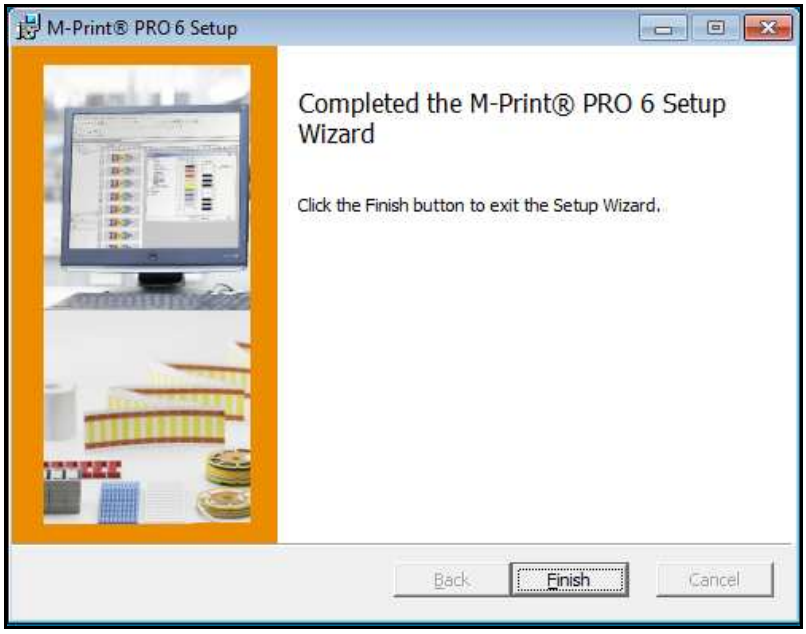


Figure 31 M-Print® PRO – finishing the installation process

**12** When installation has been completed, press the [Finish] button.

## 4.12 Connection via network cable

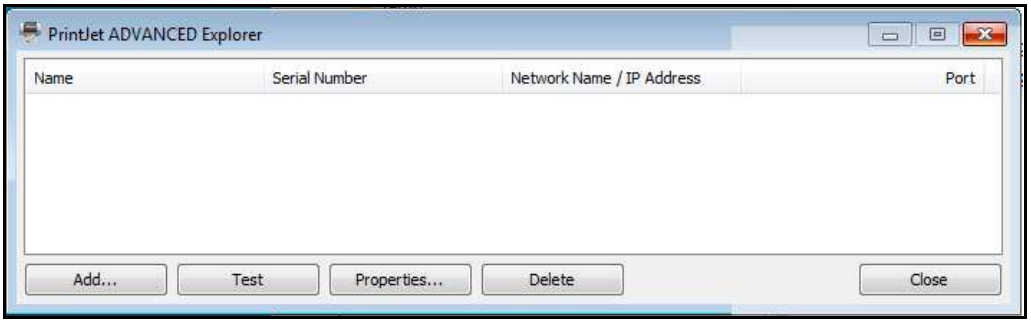


Figure 32 Print**Jet ADVANCED** Explorer

**1** To add the Print**Jet ADVANCED**, click the [Add…] button.

The following dialog box appears:

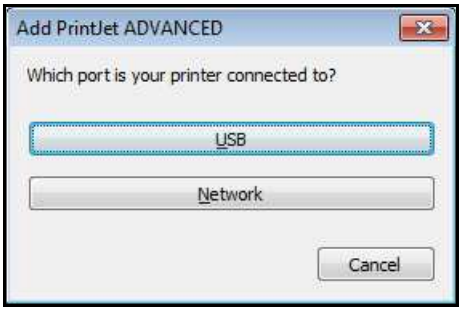


Figure 33 Choosing printer connection

**2** Click on the [Network] button here.

The following dialog box appears:

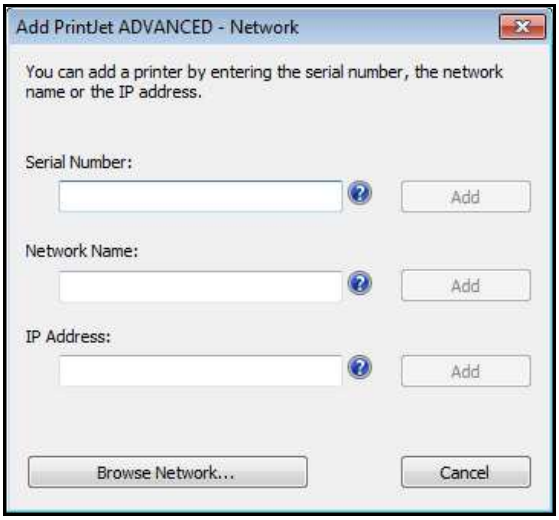


Figure 34 Adding the printer

**3** When you click on the button [Browse network...], the search process is started.

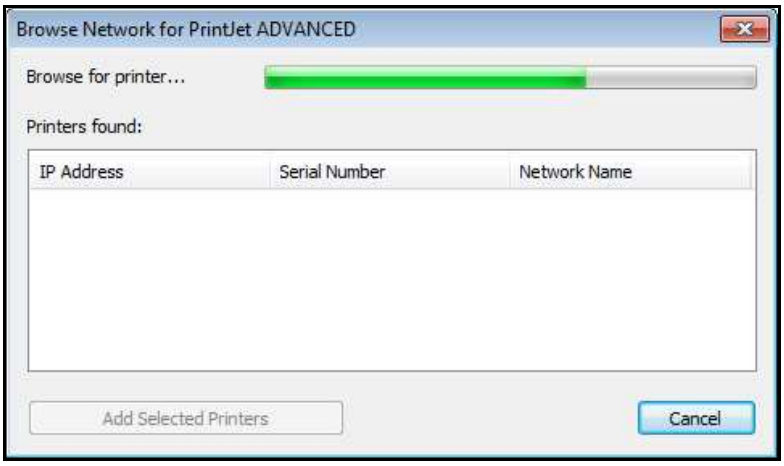


Figure 35 Browsing network

If a printer was found, the following dialog box appears:

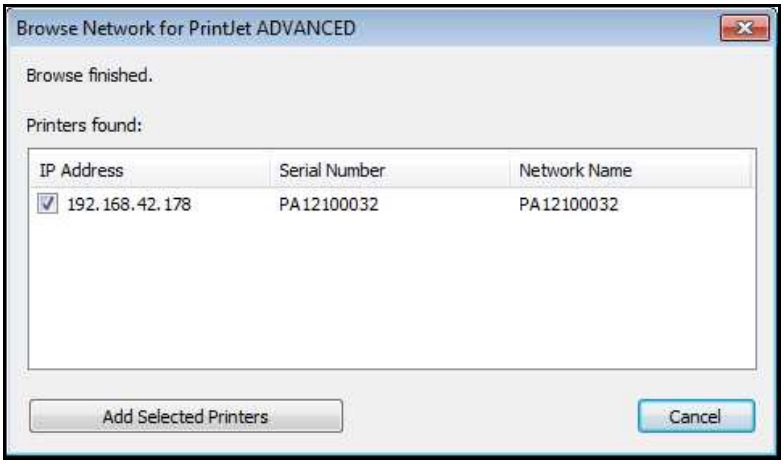


Figure 36 Search result - Browsing network

**4** Use the [Add selected printers] button to add the printer.

The following dialog box appears:

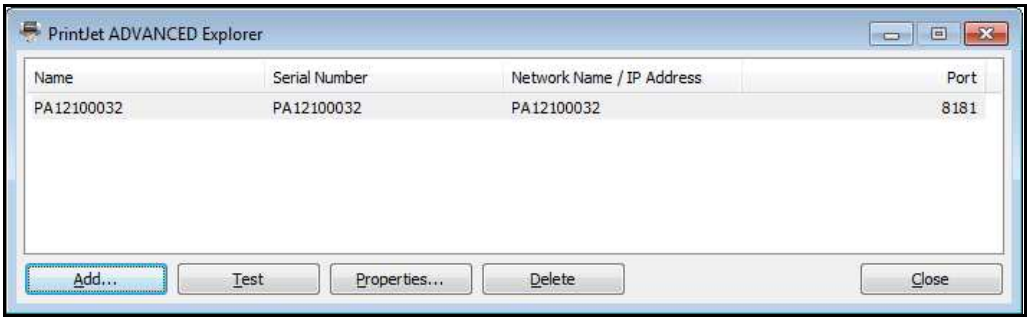


Figure 37 Print**Jet ADVANCED** Explorer

**5** If you want to change the printer name, click the [Properties...] button. This changed printer name is then displayed in M-Print® PRO.

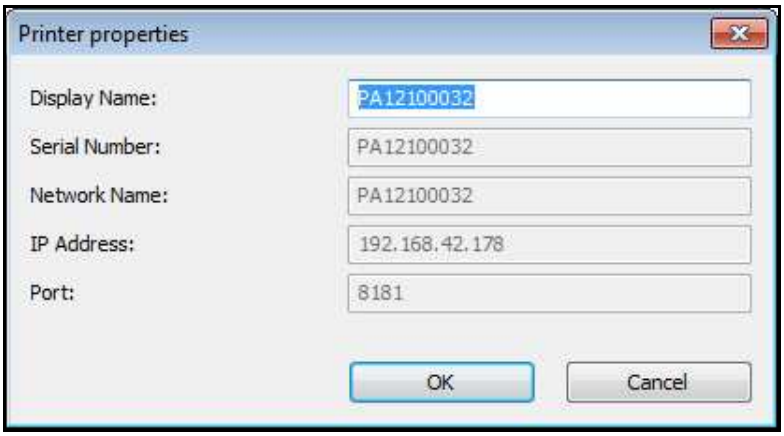


Figure 38 Changing the printer name

**6** Enter the printer name required for M-Print® PRO, for example PrintJet ADVANCED.

**7** Confirm your inputs with [OK].

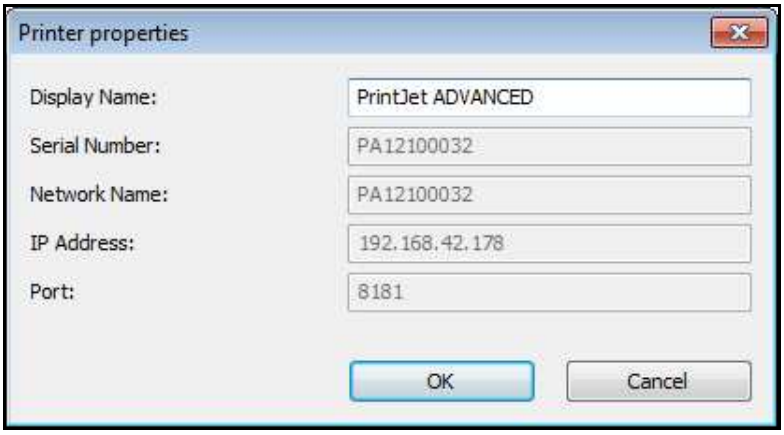


Figure 39 Changed printer name

The changed name PrintJet ADVANCED is displayed in the Explorer.

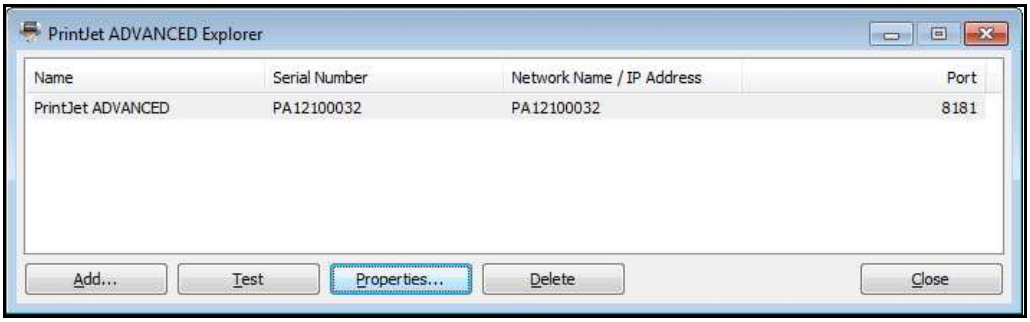


Figure 40 Print**Jet ADVANCED** Explorer

You can remove the highlighted printer from the list with the [Delete] button. You can add this printer again at any time.

You exit the dialog box with the [Close] button.

You can check whether the printer highlighted in the list is connected and accessible with the [Test] button.

If so, the following dialog box appears:

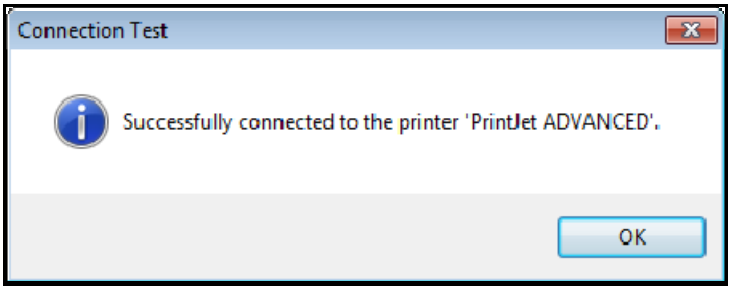


Figure 41 Dialog box – connection test successful

You see the following message if the printer cannot be found because, for example, it is turned off:

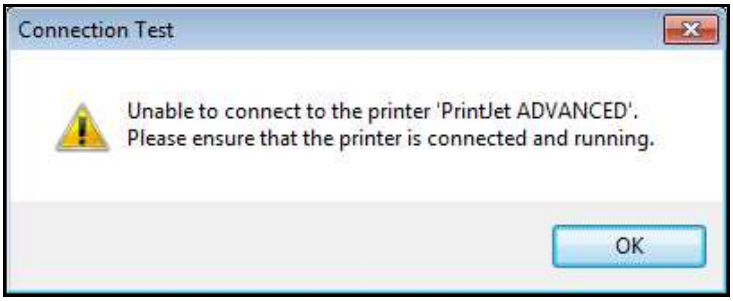
Connection Test
Unable to connect to the printer 'PrintJet ADVANCED'.
Please ensure that the printer is connected and running.
OK

Figure 42 Dialog box – printer not found

**8** Next you have to activate the M-Print® PRO software (see “4.15 Activating M-Print® PRO”).

## 4.13 Connection via USB cable

**Important information**
When you have installed the M-Print® PRO application software, connect the USB cable to the printer. The printer control software is installed automatically.

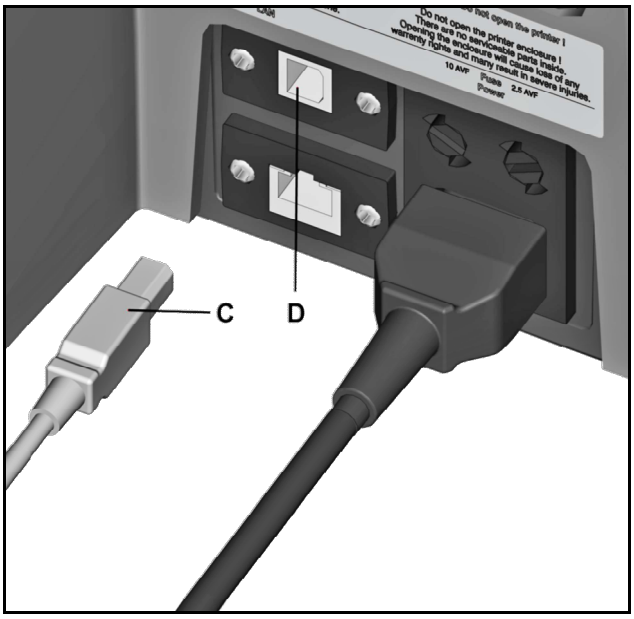


Figure 43 Connection –USB cable

**C** USB cable

**D** USB port

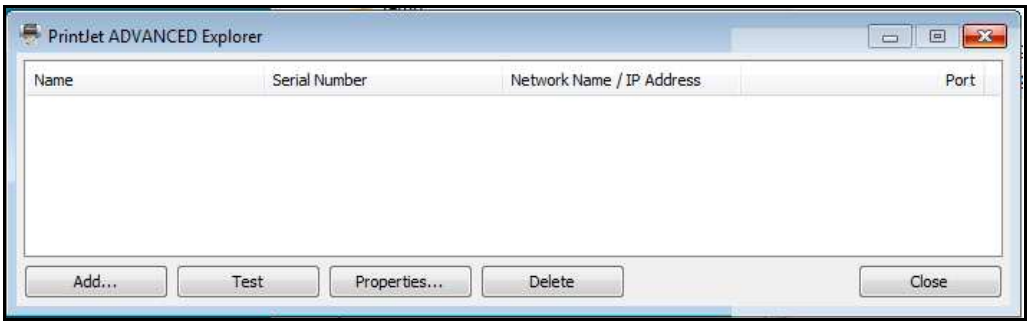


Figure 44 Print**Jet ADVANCED** Explorer

**1** To add the Print**Jet ADVANCED**, click the [Add…] button.

The following dialog box appears:

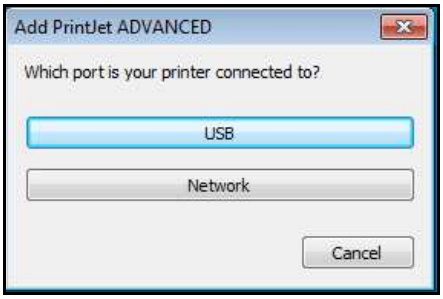


Figure 45 Choosing printer connection

**2** Click the [USB] button.

The printer search starts.

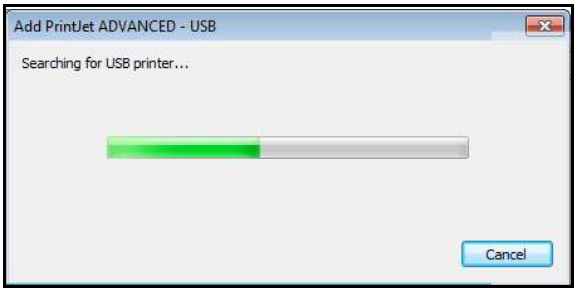


Figure 46 Printer search

The search result is displayed in the following dialog box:

Add PrintJet ADVANCED - USB
See the results of the search below. Check the USB ports to add them to the printer list.
USB1 (found)
USB2 (not found)
USB3 (not found)
Search Again
Add Selection
Cancel

Figure 47 Printer - search result

If no printer was found, you may start a new search process via the button [Search again].
If a printer was found, click on the button [Add selection]. The following dialog box appears:

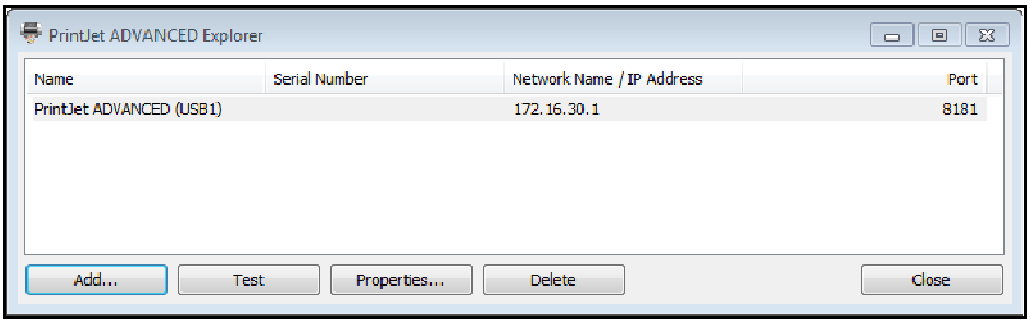


Figure 48 Print**Jet ADVANCED** Explorer

**3** If you want to change the printer name, click the [Properties...] button. This changed printer name is then displayed in M-Print® PRO.

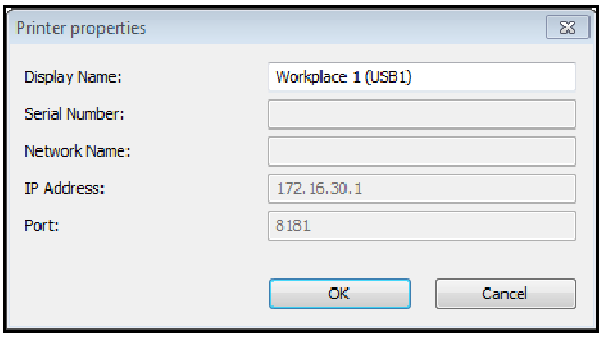


Figure 49 Changing the printer name

**4** Enter the printer name required for M-Print® PRO, for example PJA Workplace 1 (USB1).

**5** Confirm your inputs with [OK].

The changed name PJA Workplace 1 (USB1) is displayed in the Explorer.

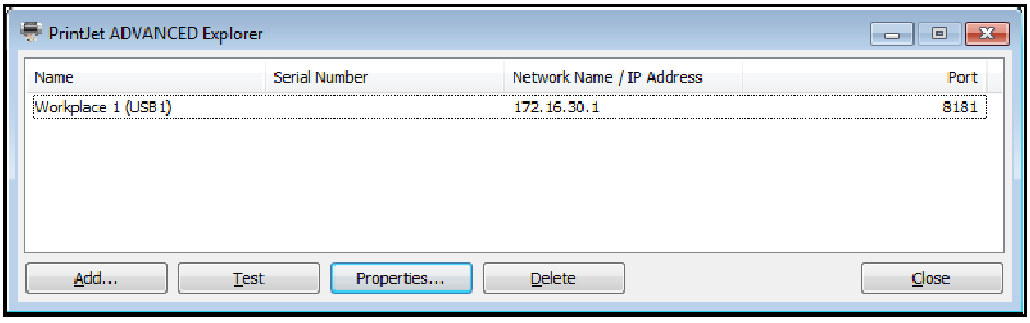


Figure 50 Changed printer name

You can remove the highlighted printer from the list with the [Delete] button. You can add this printer again at any time.

You exit the dialog box with the [Close] button.

You can check whether the printer highlighted in the list is connected and accessible with the [Test] button.

If so, the following dialog box appears:

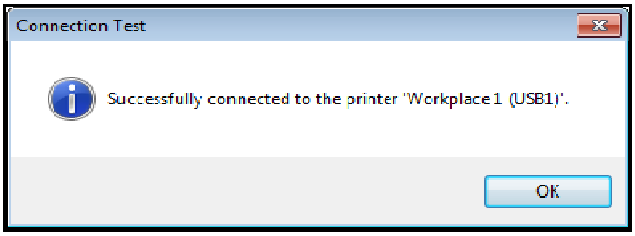


Figure 51 Dialog box – connection test successful

You see the following message if the printer cannot be found because, for example, it is turned off:

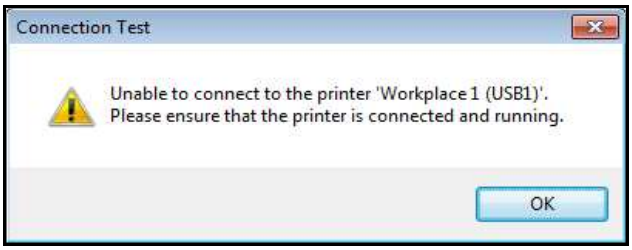
Connection Test
Unable to connect to the printer 'Workplace 1 (USB1)'.
Please ensure that the printer is connected and running.
OK

Figure 52 Dialog box – printer not found

**6** Next you have to activate the M-Print® PRO software (see “4.15 Activating M-Print® PRO”).

## 4.14 Installing the network version of the M-Print® PRO software

**Important information**

Installation should be carried out by a specialist. Administrator rights are required for this process.

### 4.14.1 Description

The network version of M-Print® PRO is used when multiple users need to work with the software in a network. Instead of installing M-Print® PRO on each of their computers, here it is only necessary to install the software centrally (Setup.exe on a server or central PC). The client PCs (or users) access M-Print® PRO via shared network paths.

Example scenario:

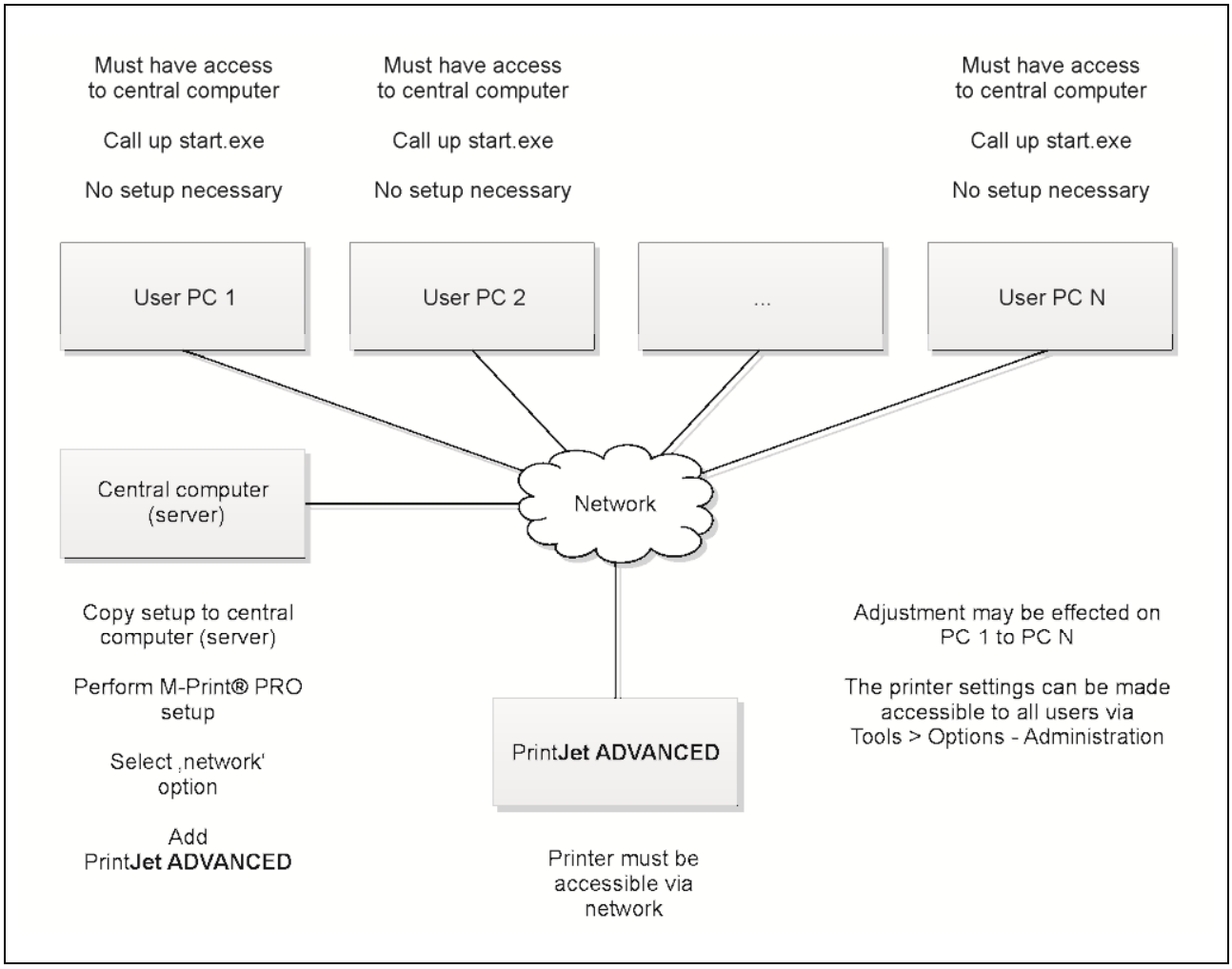
Must have access to central computer
Call up start.exe
No setup necessary
Must have access to central computer
Call up start.exe
No setup necessary
Must have access to central computer
Call up start.exe
No setup necessary
User PC 1
User PC 2
...
User PC N
Central computer (server)
Network
Copy setup to central computer (server)
Perform M-Print® PRO setup
Select ‚network' option
Add PrintJet ADVANCED
PrintJet ADVANCED
Printer must be accessible via network
Adjustment may be effected on PC 1 to PC N
The printer settings can be made accessible to all users via Tools > Options - Administration

Figure 53 Example scenario for network installation

**Important information**

The network version can only be installed when the Print**Jet ADVANCED** is connected to the network via the network cable.

It is not possible to install the network version via the USB port.

## 4.14.2 Tasks to be done on the central computer/server

**1** Insert the DVD in the server/central computer.

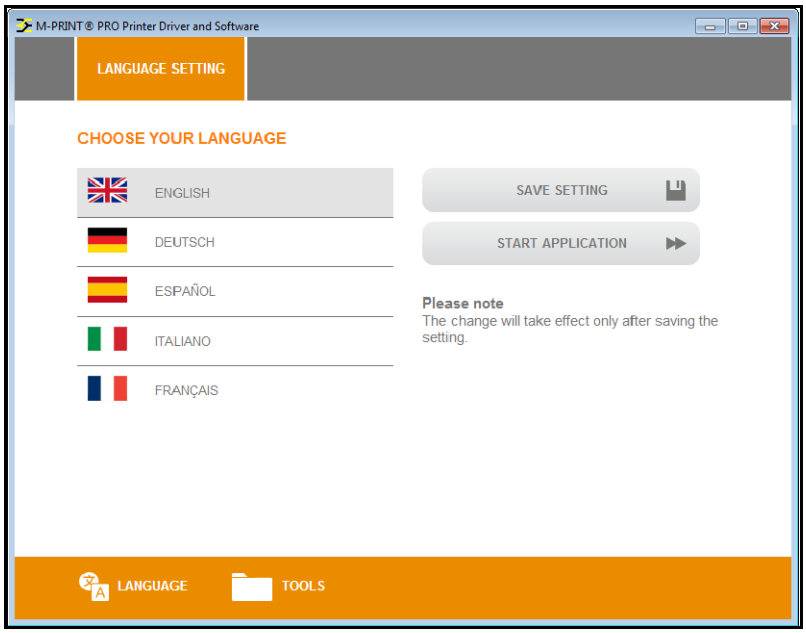


Figure 54 M-PRINT® PRO Installation - language setting

**2** Touch the desired language.

**3** Touch the [START APPLICATION] button.

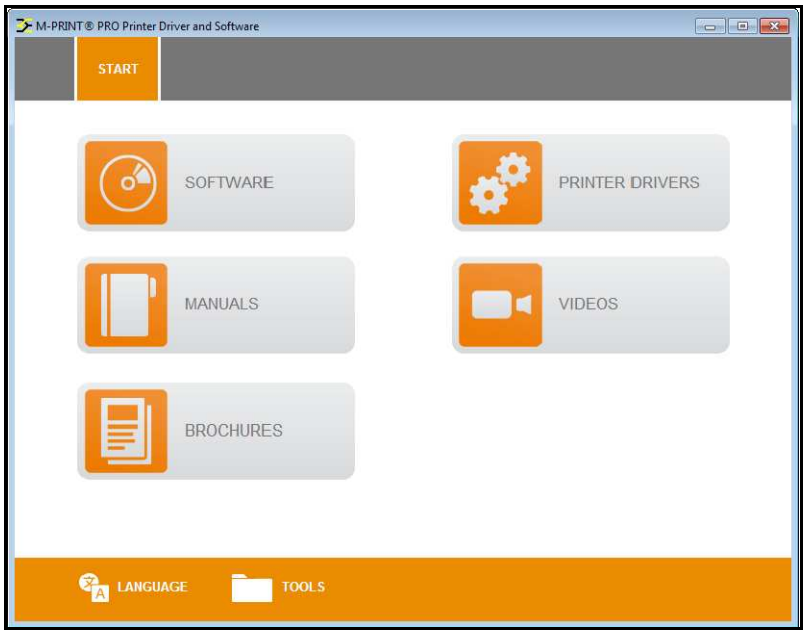


Figure 55 M-PRINT® PRO Installation - Start menu

**4** Touch the [SOFTWARE] button.

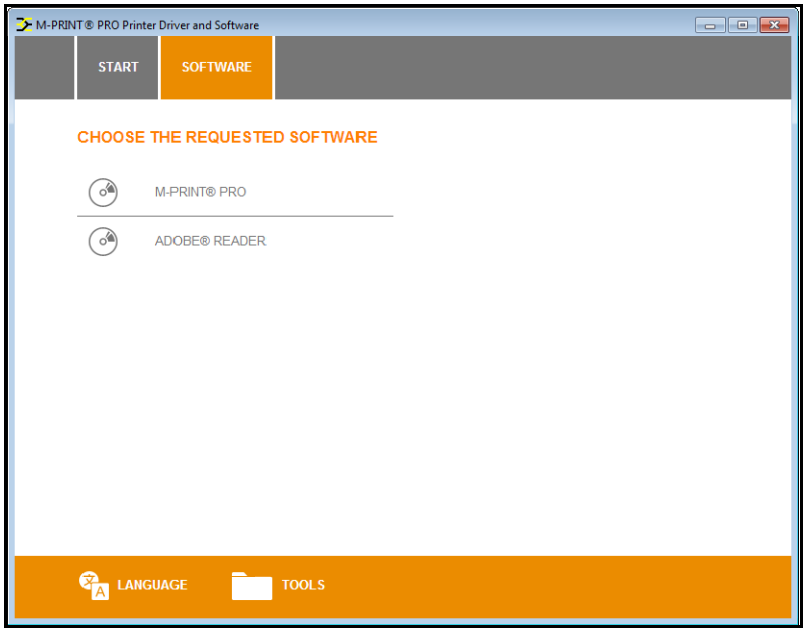


Figure 56 M-PRINT® PRO Installation - software

**5** Touch M-PRINT® PRO.

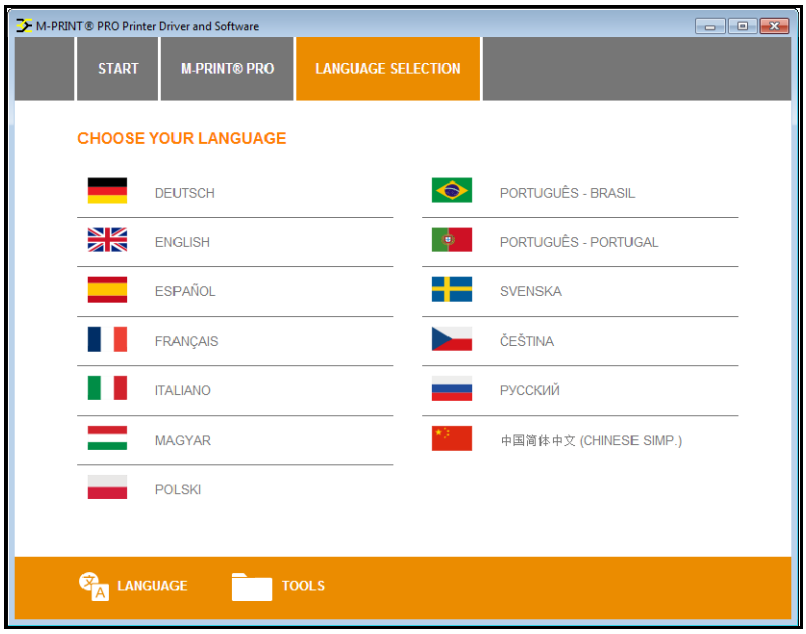


Figure 57 M-PRINT® PRO Installation - Language selection

**6** Touch the desired language.

The installation process starts automatically and the setup wizard appears.

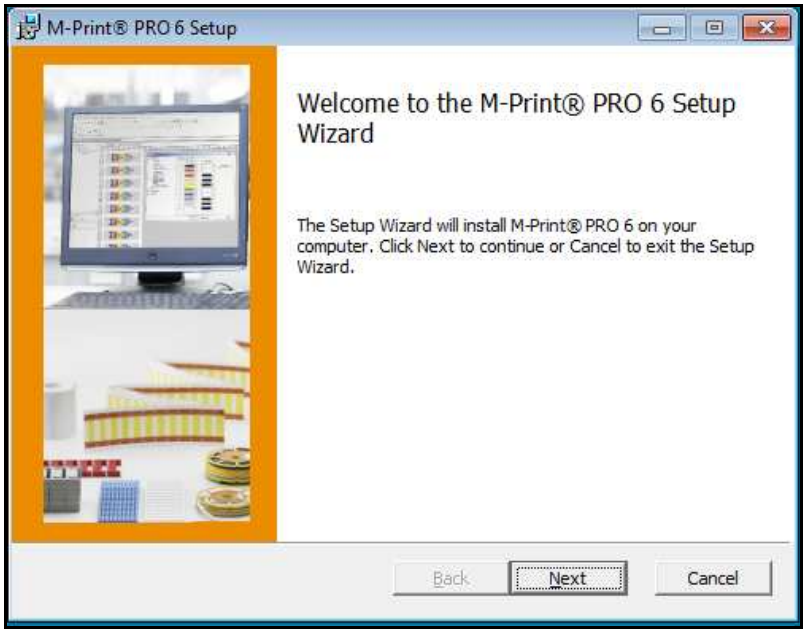
M-Print® PRO 6 Setup
Welcome to the M-Print® PRO 6 Setup Wizard
The Setup Wizard will install M-Print® PRO 6 on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
Back
Next
Cancel

Figure 58 M-Print® PRO – setup wizard

**7** Click the [CONTINUE] button.

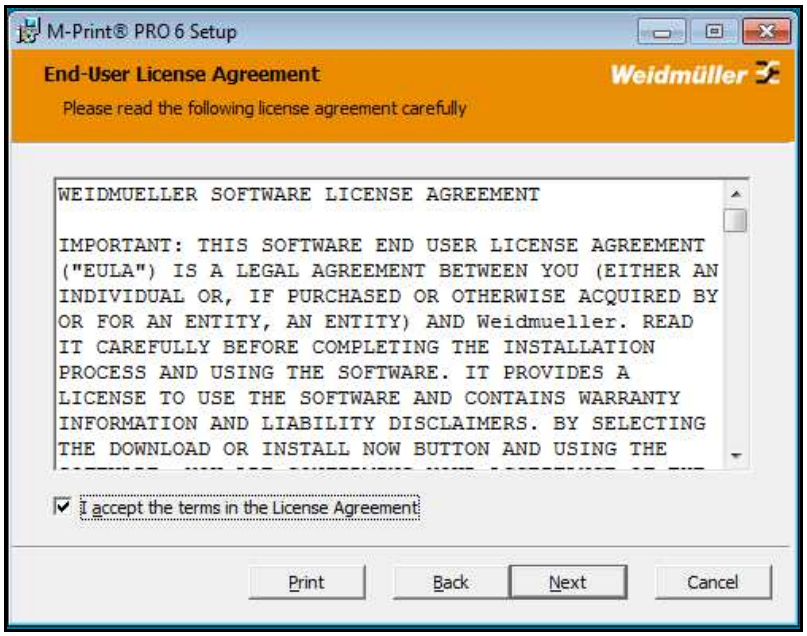
M-Print® PRO 6 Setup
End-User License Agreement
Please read the following license agreement carefully
Weidmüller
WEIDMUELLER SOFTWARE LICENSE AGREEMENT
IMPORTANT: THIS SOFTWARE END USER LICENSE AGREEMENT ("EULA") IS A LEGAL AGREEMENT BETWEEN YOU (EITHER AN INDIVIDUAL OR, IF PURCHASED OR OTHERWISE ACQUIRED BY OR FOR AN ENTITY, AN ENTITY) AND Weidmueller. READ IT CAREFULLY BEFORE COMPLETING THE INSTALLATION PROCESS AND USING THE SOFTWARE. IT PROVIDES A LICENSE TO USE THE SOFTWARE AND CONTAINS WARRANTY INFORMATION AND LIABILITY DISCLAIMERS. BY SELECTING THE DOWNLOAD OR INSTALL NOW BUTTON AND USING THE
I accept the terms in the License Agreement
Print
Back
Next
Cancel

Figure 59 M-Print® PRO – accepting the license terms

**8** Accept the terms in the license agreement and press the CONTINUE] button.

**9** Choose the setup type in the next window:

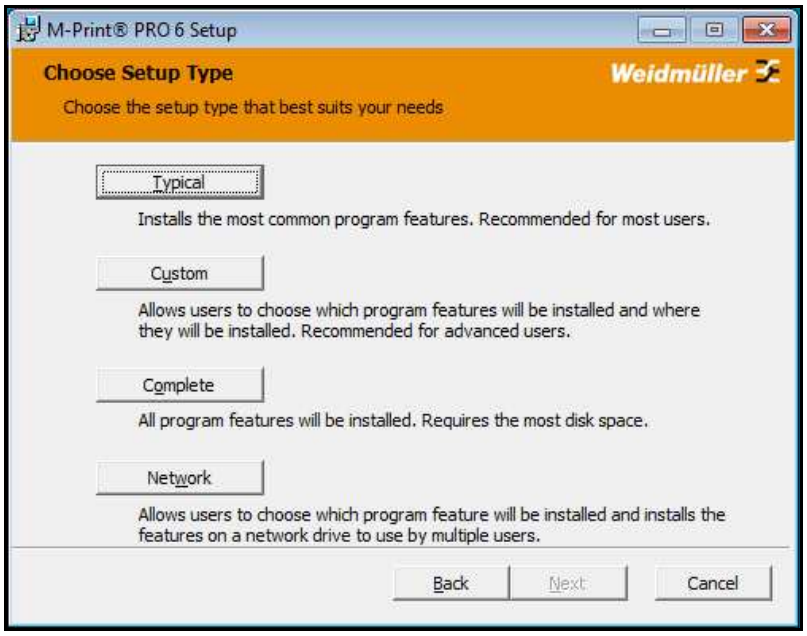
M-Print® PRO 6 Setup
Choose Setup Type
Choose the setup type that best suits your needs
Weidmüller
Typical
Installs the most common program features. Recommended for most users.
Custom
Allows users to choose which program features will be installed and where they will be installed. Recommended for advanced users.
Complete
All program features will be installed. Requires the most disk space.
Network
Allows users to choose which program feature will be installed and installs the features on a network drive to use by multiple users.
Back
Next
Cancel

Figure 60 M-Print® PRO – choosing the setup type

**10** Press the [Network] button.

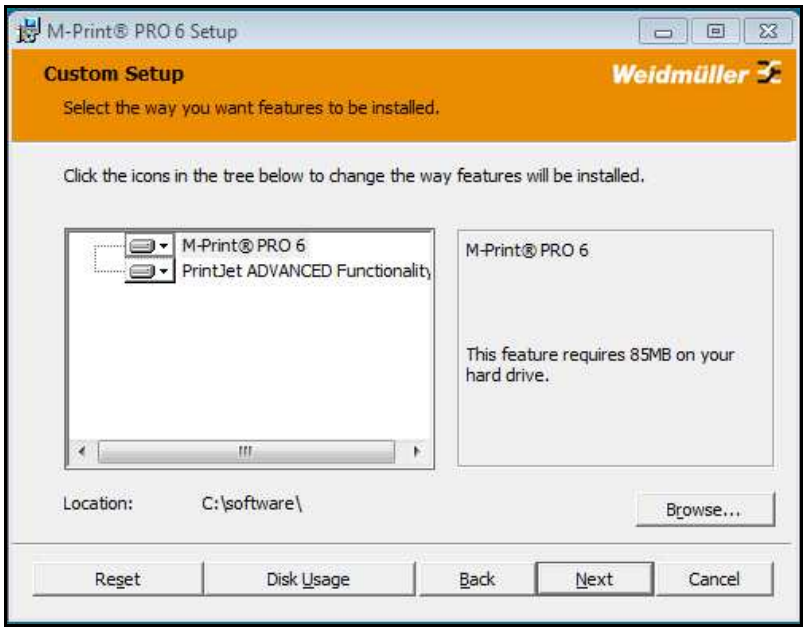


Figure 61 Network installation – choosing the target directory

You can check how much storage space is free on the available drives with the [Disk Usage] button.

**11** Click the [Browse…] button.

**12** Select the target directory, for example C:\software\.

| | |
|---|---|
| | **Important information**<br>The users of the client computers must be able to access the target directory. |

**13** Click the [CONTINUE] button.

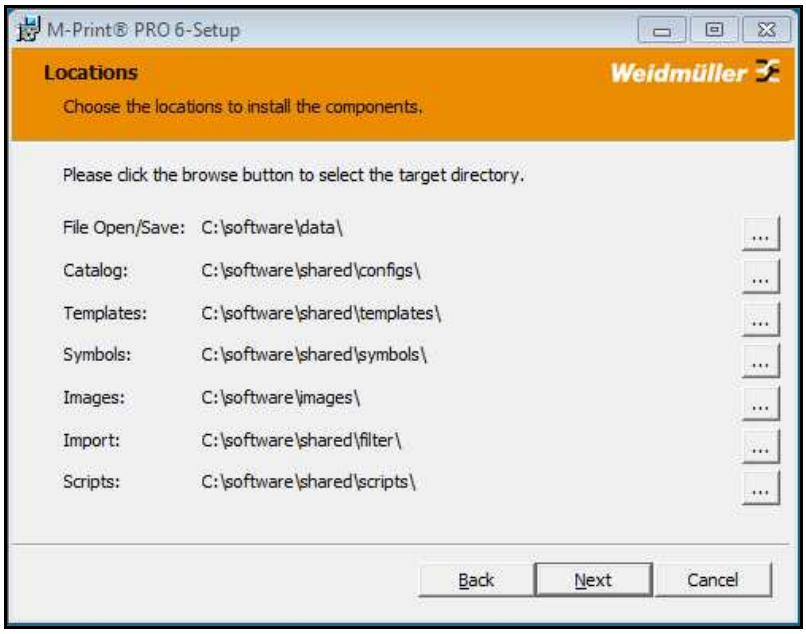


Figure 62 Network installation – choosing directories

**14** For individual components such as the catalog you can use the […] button to choose other directories (for example the catalog in C:\data\catalog).

| | |
|---|---|
| | **Important information**<br>The target directories must be on a local drive of the server (network drives and UNC paths such as \\ServerName\ShareName\Path are not allowed).<br><br>All folders listed above must be accessible to users of the client computers over the network. Write rights are essential for some of the folders (see section “Sharing folders”). |

**15** Click the [CONTINUE] button.

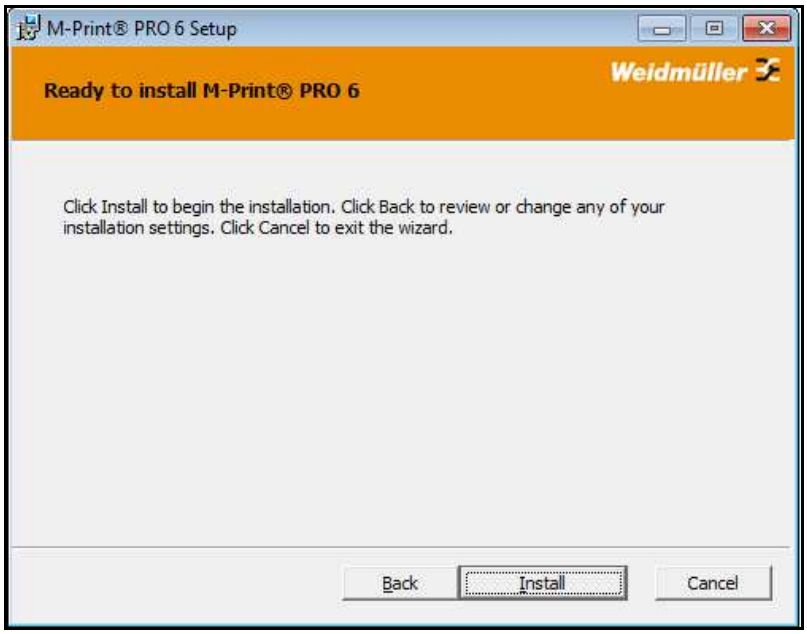
M-Print® PRO 6 Setup
Weidmüller
Ready to install M-Print® PRO 6
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Install
Cancel

Figure 63 Starting network installation

**16** Click the [Install] button.

Microsoft Windows® User Account Control (UAC) might appear.

**17** If so, confirm here that changes are allowed to be made to Windows.

After your confirmation, the target directories are created and the files are copied to or created in them.

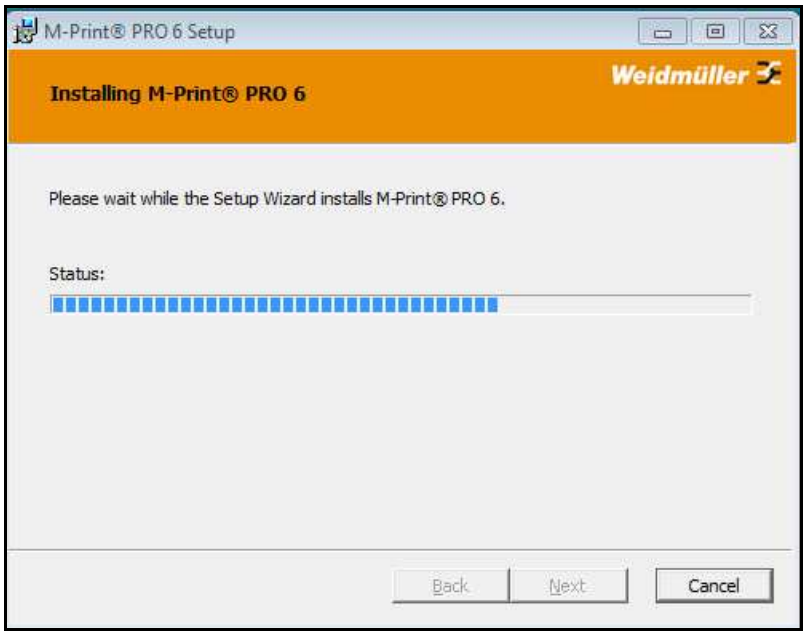


Figure 64 M-Print® PRO – status of the network installation

The progress is indicated by a bar.

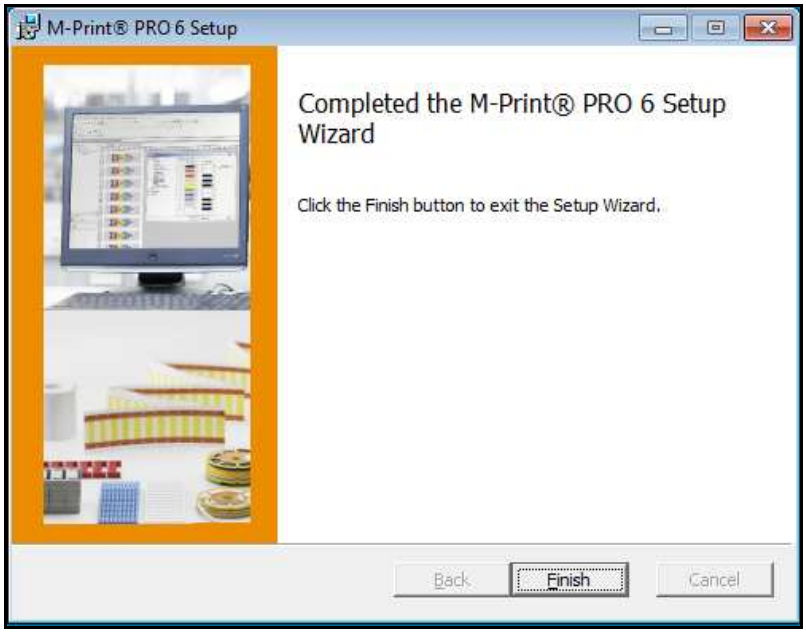


Figure 65 Finishing network installation

**18** When installation has been completed, press the [Finish] button.

The following dialog box appears:

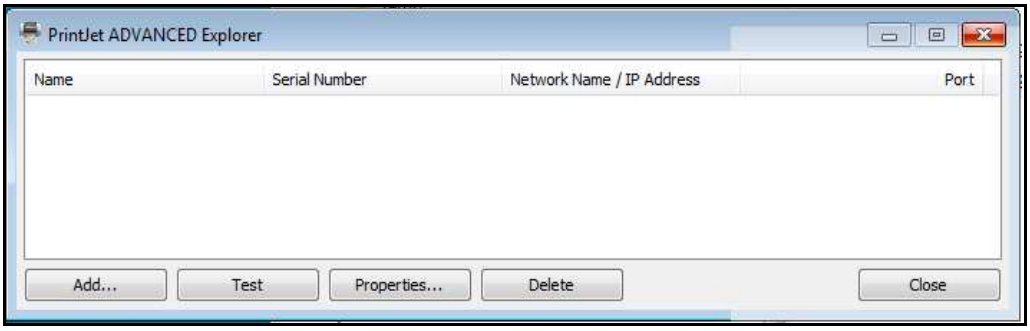


Figure 66 Print**Jet ADVANCED** Explorer

**19** To add the Print**Jet ADVANCED**, click the [Add…] button.

The following dialog box appears:

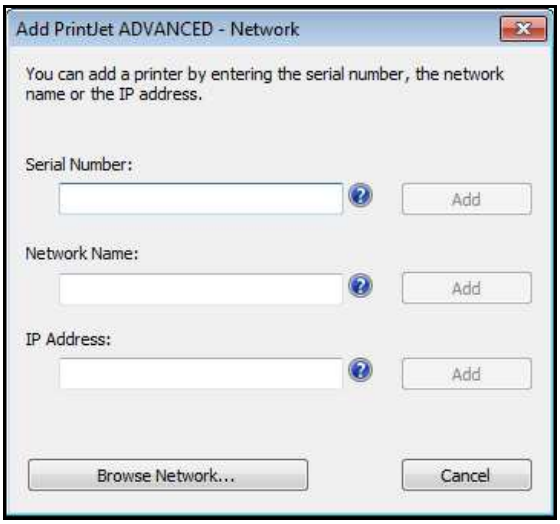


Figure 67 Adding the printer

When you click on the button [Browse network...], the search process is started.

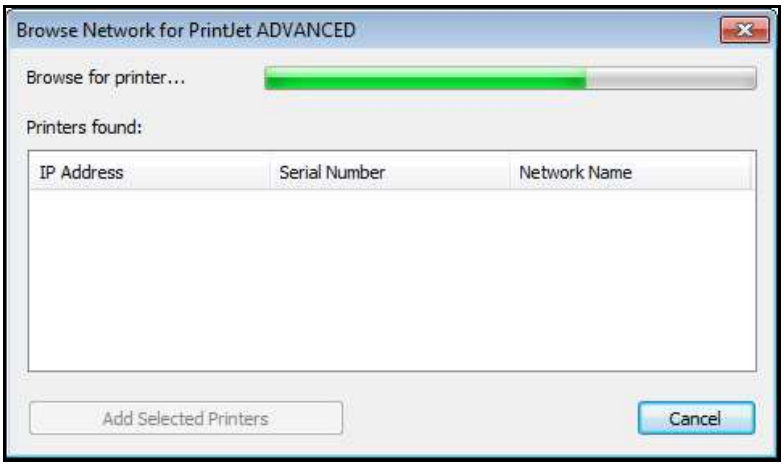


Figure 68 Browsing network

If a printer was found, the following dialog box appears:

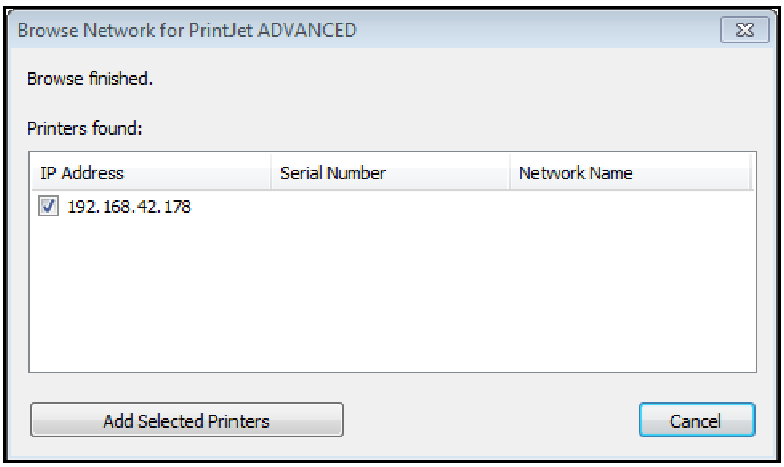


Figure 69 Search result - Browsing network

Use the [Add selected printers] button to add the printer.

You can also add the printer via its serial number or its network name or its IP address.

**Important information**

If you specified [Activate DHCP] under SYSTEM INFO on the touch panel, you must add the printer via its network name.

Pressing the respective question mark shows where you can find the required information.

You can see the serial number, for example, on the printer's rating plate.

**20** Clicking the question mark for the serial number shows you the position of the rating plate on the printer.

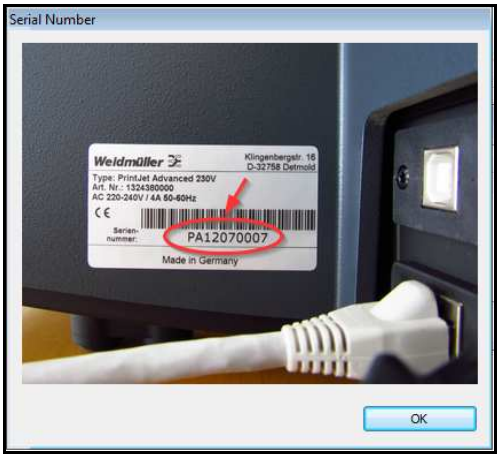


Figure 70 Serial number – rating plate

**21** Enter the serial number or the network name or the IP address. If you click on the question mark, you will receive more information.

**22** Click the respective [Add...] button.

The entered printer is displayed in the Print**Jet ADVANCED** Explorer.

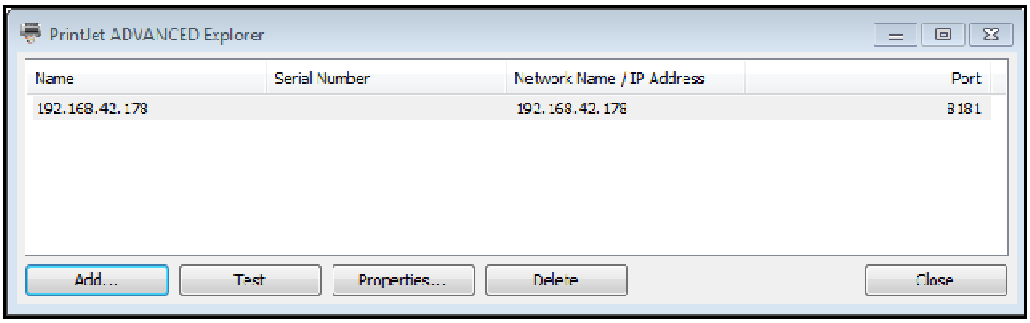


Figure 71 Changing the printer name

**23** If you want to change the printer name, click the [Properties...] button. This changed printer name is then displayed in M-Print® PRO.

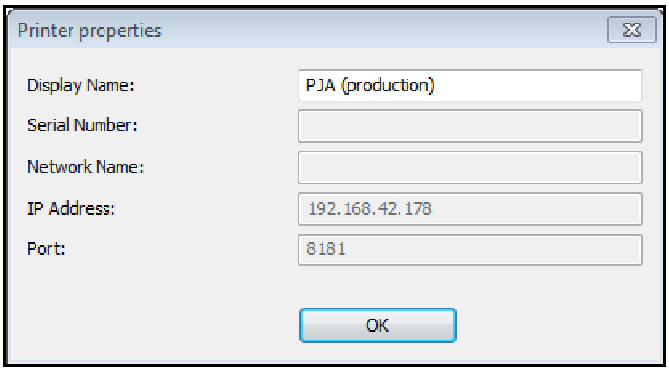


Figure 72 Entering the printer name

**24** Enter the printer name required for M-Print® PRO, for example PJA (production).

**25** Confirm your inputs with [OK].

The changed name is displayed in the Print**Jet ADVANCED** Explorer.

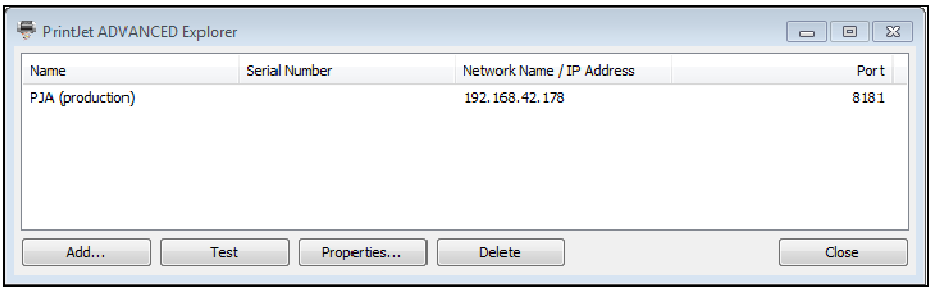


Figure 73 Print**Jet ADVANCED** Explorer

You can remove the highlighted printer from the list with the [Delete] button. You can add this printer again at any time. You exit the dialog box with the [Close] button.

You can check whether the printer highlighted in the list is connected and accessible with the [Test] button.

If so, the following dialog box appears:

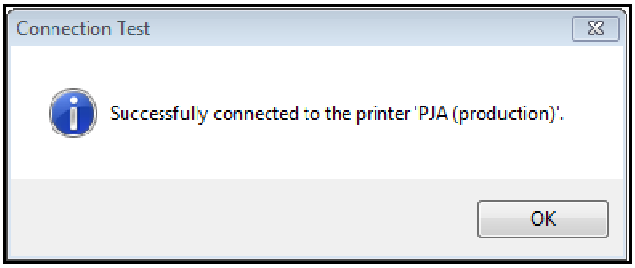


Figure 74 Dialog box – connection test successful

You see the following message if the printer cannot be found because, for example, it is turned off or there is a network problem:

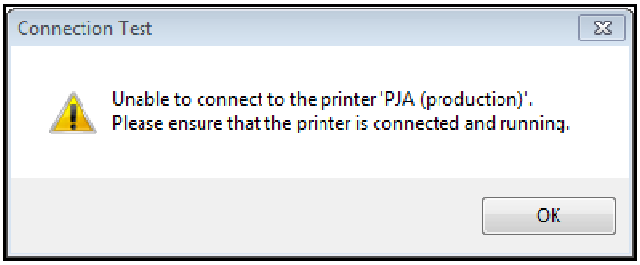
Connection Test
Unable to connect to the printer 'PJA (production)'.
Please ensure that the printer is connected and running.
OK

Figure 75 Dialog box – printer not found

**26** Next you have to activate the M-Print® PRO software (see “4.15 Activating M-Print® PRO”).

### Sharing folders

M-Print® PRO uses the following folders; the folder structure depends on what was specified in the setup process:

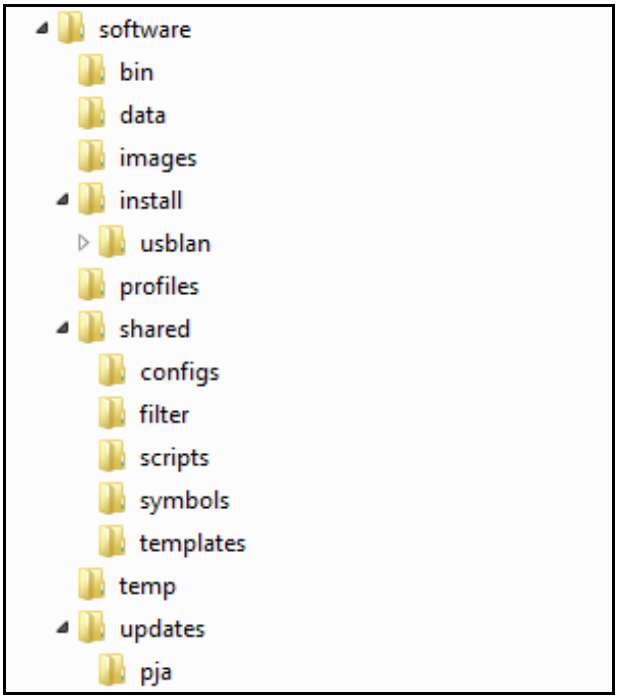


Figure 76 Network installation – folder structure

The meaning of the folders is as follows:

| Folder | Contents | Write rights required |
|---|---|---|
| bin | This folder contains executable files. | - |
| data | Standard directory in which users should store their M-Print® PRO files. | X |
| images | This folder contains M-Print® PRO images. This folder is accessed when users choose images in M-Print® PRO via Insert > Image. | |
| install | The printer control software is stored in this folder during installation. | |
| usblan | This folder contains the printer control software to support USB communication. | |
| profiles | This folder contains user profiles (for example user-specific settings defined via Tools > Options, printer mappings etc.). M-Print® PRO reads settings in this folder and writes them here. | X |
| shared | This folder and its subfolders contain the M-Print® PRO program files. | X |
| configs | This folder contains the product catalog. | X |
| filter | This folder contains filter files that are needed for the import function (File > Import). | X |
| scripts | This folder contains import scripts. | X |
| symbols | This folder contains program symbols (for example for protective grounding) that can be inserted in M-Print® PRO. | X |
| templates | Templates must be stored in this folder. | X |
| temp | M-Print® PRO stores temporary files in this folder. | X |
| updates | The update routine stores data in this folder. | X |
| pja | Printer updates can be stored in this folder. | X |

Table 1 Folder structure and meaning

### 4.14.3 Tasks to be done on the clients

No further setup is required on the clients.

By default users must launch the “start.exe” file from the ‘bin’ folder. The actual storage location of the “start.exe” file depends on what was specified during setup (directories).

The dialog provides the necessary functions:

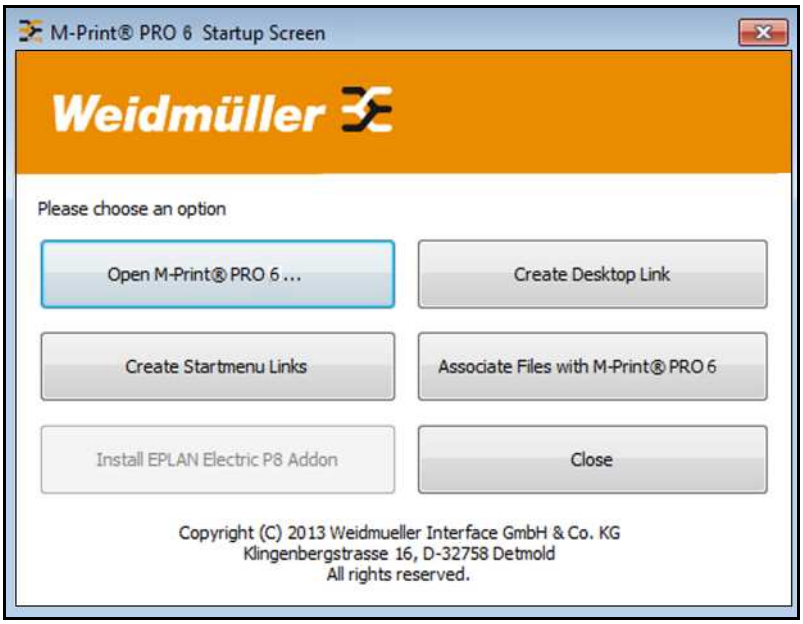
M-Print® PRO 6 Startup Screen
Weidmüller
Please choose an option
Open M-Print® PRO 6 ...
Create Desktop Link
Create Startmenu Links
Associate Files with M-Print® PRO 6
Install EPLAN Electric P8 Addon
Close
Copyright (C) 2013 Weidmueller Interface GmbH & Co. KG
Klingenbergstrasse 16, D-32758 Detmold
All rights reserved.

Figure 77 Network installation – client

No Windows administrator rights are needed for these functions.

Open M-Print® PRO 6...

Clicking this button starts the M-Print® PRO program.

Create Desktop Link

By clicking this button you can create a link to M-Print® PRO on the desktop.

Create Start Menu Link

By clicking this button you can add M-Print® PRO to the Start menu.

Associate Files with M-Print® PRO 6

By clicking this button you can associate files with M-Print® PRO so that they are opened directly with M-Print® PRO when they are double-clicked.

Install EPLAN Electric P8 Addon

This function is not required for the Print**Jet ADVANCED**.

Close

You close the start screen with the [Close] button.

To set the correct print position for a MultiCard and to compensate for physical changes to it, you must make some settings via the M-Print® PRO software.

These tasks are described in detail in chapter "5 Operation", in section "5.2 Software settings".

If you make these settings at just one PC, for example client PC 1, then you must also make them available to client PC 2 to client PC N. With the following function you can share these settings with the other client PCs automatically.

**1** Start the M-Print® PRO program.

**2** In M-Print® PRO choose Tools and then Options.

The following window appears:

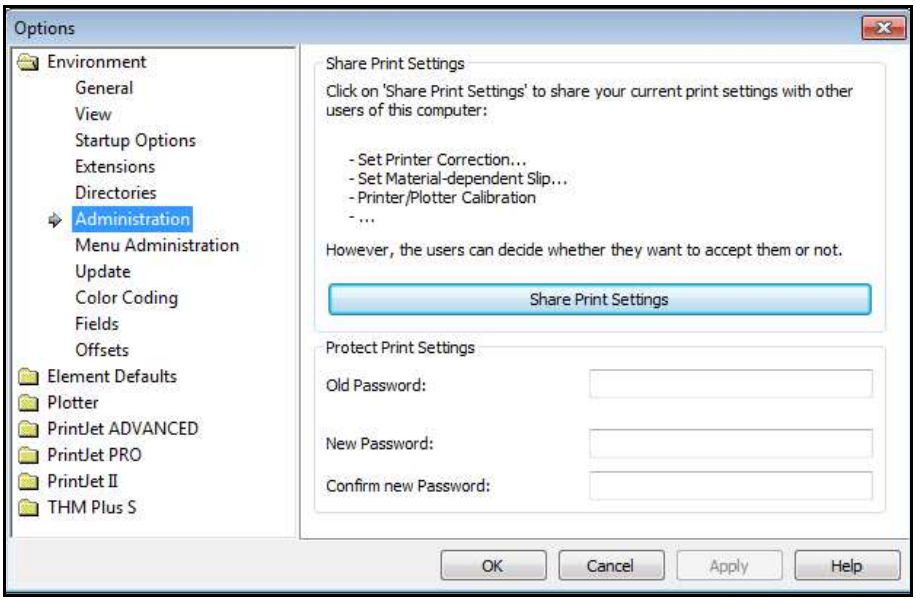


Figure 78 Clients – sharing print settings

**3** Click the [Share Print Settings] button.

The next time the users start up their PCs they are notified of the settings that have been made and can decide whether they want to adopt them or not.

**4** Next you have to activate the M-Print® PRO software (see "4.15 Activating M-Print® PRO").

## 4.15 Activating M-Print® PRO

The first time you start M-Print® PRO the software must be activated.

**1** Start M-Print® PRO via the program icon on the desktop or via Start → Programs → Weidmüller → M-Print® PRO.

Figure 79 M-Print® PRO program icon on the desktop

The first time you start M-Print® PRO a window appears in which you can choose the demo version or the full version.

License Assistant
http://www.weidmueller.com/
Thank you for your interest in using M-Print® PRO 6.
You can try out this software for 30 days without any limitations.
After this period you must enter a valid License Key.
If you have a valid License Key choose "Full Version" and then click the "Next" button, otherwise choose the demo version:
30-day Demo
(demo days left: 29)
Full Version
< Back
Next >
Cancel

Figure 80 M-Print® PRO – choosing the version

**2** Choose the full version and click the [Next] button.

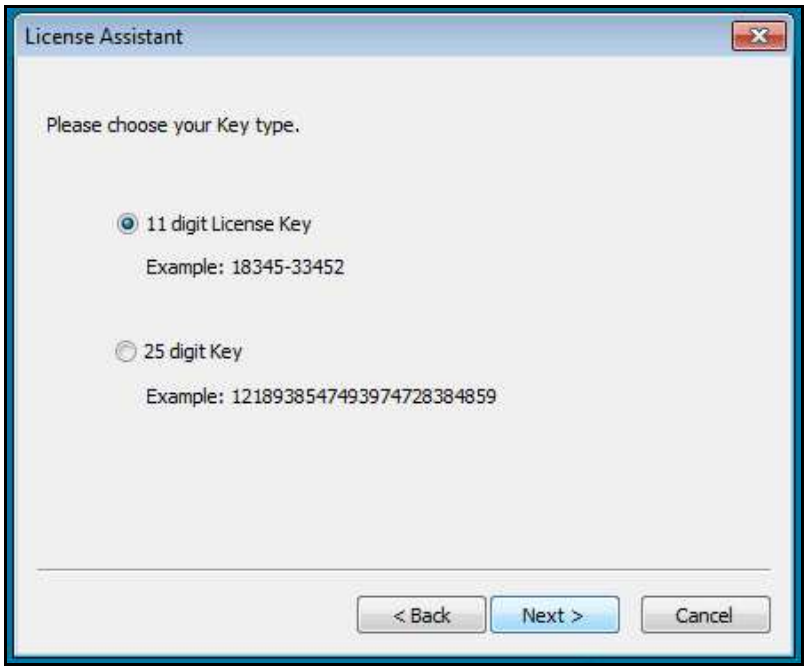


Figure 81 M-Print® PRO – key type

**3** Choose the license key type and click the [Next] button.

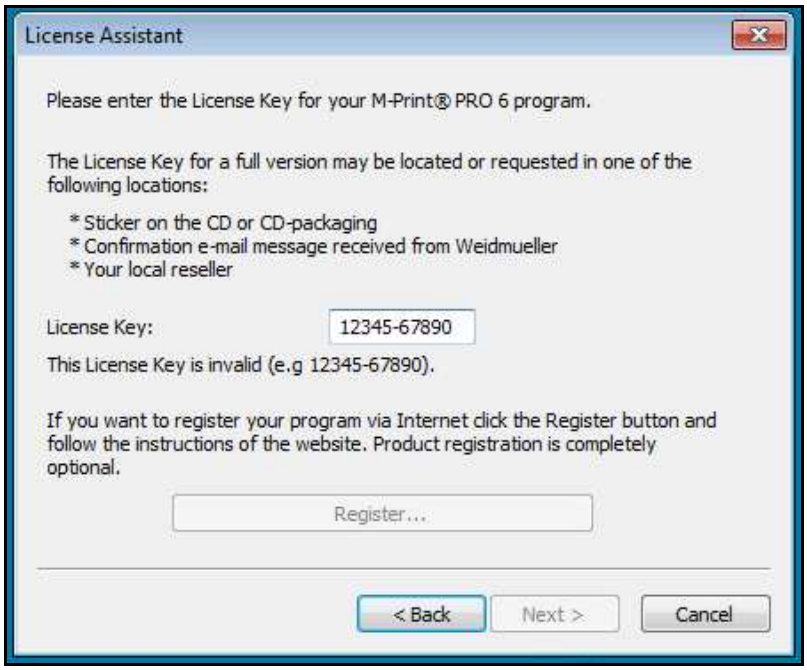
License Assistant
Please enter the License Key for your M-Print® PRO 6 program.
The License Key for a full version may be located or requested in one of the following locations:
* Sticker on the CD or CD-packaging
* Confirmation e-mail message received from Weidmueller
* Your local reseller
License Key:
12345-67890
This License Key is invalid (e.g 12345-67890).
If you want to register your program via Internet click the Register button and follow the instructions of the website. Product registration is completely optional.
Register...
< Back
Next >
Cancel

Figure 82 M-Print® PRO – registration

**4** Enter the 11-digit license key shown on the case of the DVD that came with the printer.

If you also register the software via the internet, you will receive information about software updates and a description of new functions.

**5** To do this, click the [Register] button and follow the instructions that are shown.

**6** If you do not want registration, click the [Next] button.

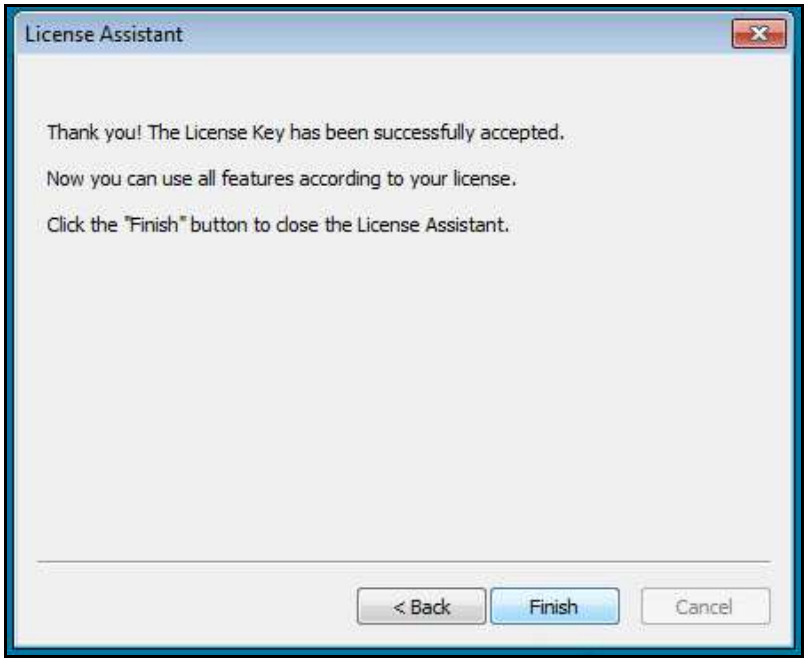
License Assistant
Thank you! The License Key has been successfully accepted.
Now you can use all features according to your license.
Click the "Finish" button to close the License Assistant.
< Back
Finish
Cancel

Figure 83 M-Print® PRO – finishing the installation process

**7** To complete activation, press the [Finish] button.

## 4.16 Setting up and adjusting a MultiCard for the printer

To set the correct print position for a MultiCard and to compensate for physical changes to it, you must make some settings via the M-Print® PRO software.

These tasks are described in detail in chapter "5 Operation", in section "5.2 Software settings".

## 4.17 Running a print test

When you have turned on the printer, run a print test.
Follow these steps:

Figure 84 Touch panel – main menu

1 Touch the [TEMPLATES] button on the touch panel's main menu.
2 Choose a template that corresponds to the supplied MultiCard.

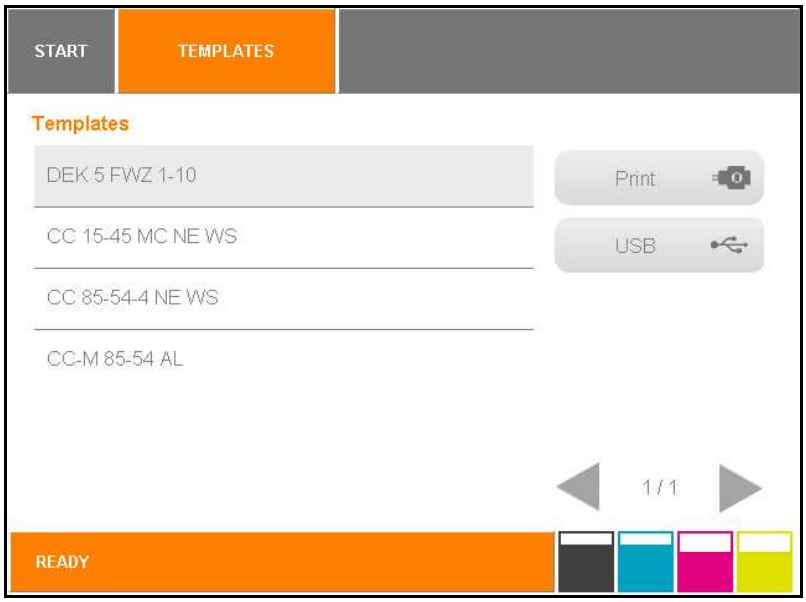


Figure 85 Touch panel – templates

**3** Insert the MultiCard.

**4** Touch the [PRINT] button to run the print test.

# 5 Operation

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## 5.1 General operation

### 5.1.1 Important information

**⚠ CAUTION**

**Warning of crushing**

Do not operate the printer without its cover and do not reach through its openings while it is running.

**⚠ CAUTION**

**Automatic start-up warning**

The printer can start up at any time without warning when a print job is sent over the network.

**⚠ CAUTION**

**Warning of hot surface**

The curing process makes MultiCards and MetalliCards very hot. Let MultiCards/MetalliCards cool off before removing them from the output rail.

- The openings in the enclosure of the printer must not be blocked or covered over.
- Do not insert any unintended objects through these openings.
- Make sure that no liquid gets into the printer.
- Do not switch off the printer! The printer automatically goes into standby mode. The operating parameters are only retained while the printer is turned on. These parameters ensure, for example, that the printhead is cleaned optimally.
- If the printer is turned off or is not used, this can lead to blockage of the ink nozzles after some time.
- Print some MultiCards/MetalliCards every week. This is the only way to preserve print quality.
- Only remove ink cartridges when they are empty or have expired.
  Removing an ink cartridge can cause leaks in the connection between the ink cartridge and the ink line. This can lead to a faulty ink feed system.
- Do not use ink that has expired.
  When the ink expiration date is approaching, a message is displayed on the touch panel. Replace the specified ink cartridge (see section “Replacing ink cartridges”).

***NOTE***

Using expired ink reduces the print quality and can cause damage to the printer.

- Only use products that have been produced or approved by Weidmüller (M-Print® PRO software, MultiCards/ MetalliCards and ink cartridges). Otherwise no liability can be assumed for the quality and durability of printing.

**Important information**

Printer faults and damage caused by the use of unapproved and unsuitable accessories and consumables are excluded from the warranty.

### 5.1.2 Inserting MultiCards/MetalliCards

**Direction of insertion for MultiCards**

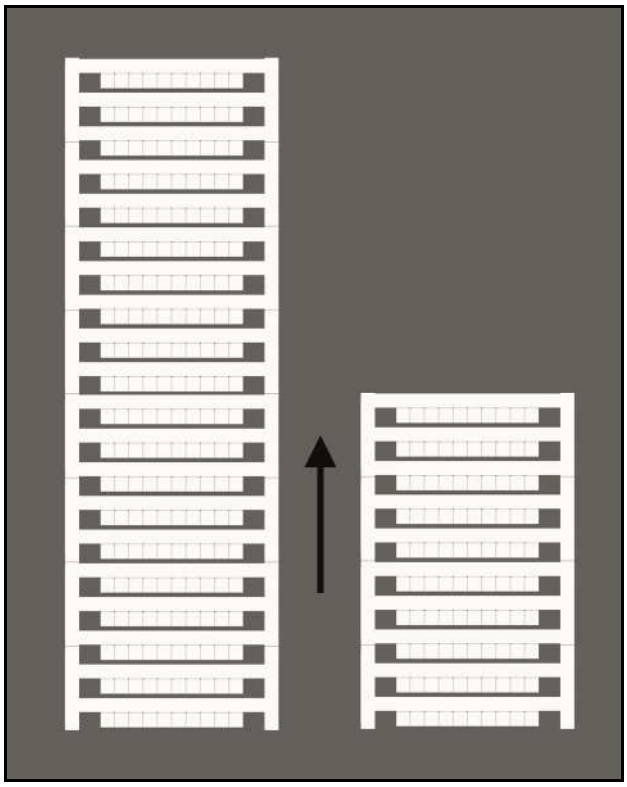


Figure 86 Direction of insertion for MultiCards

MultiCards can be inserted directly without any prior handling.

The end with the solid margin must be fed into the printer.

**Inserting a MetalliCard in the inlay**

1. Before inserting the MetalliCard in the inlay, remove the protective plastic film that is attached to the MetalliCard.
2. Clean the MetalliCard with a moist cloth (Primer CC-M – 1341200000).
3. Hold the MetalliCard at the side when inserting it in the inlay.

Do not touch the area to be printed as that reduces the print quality.

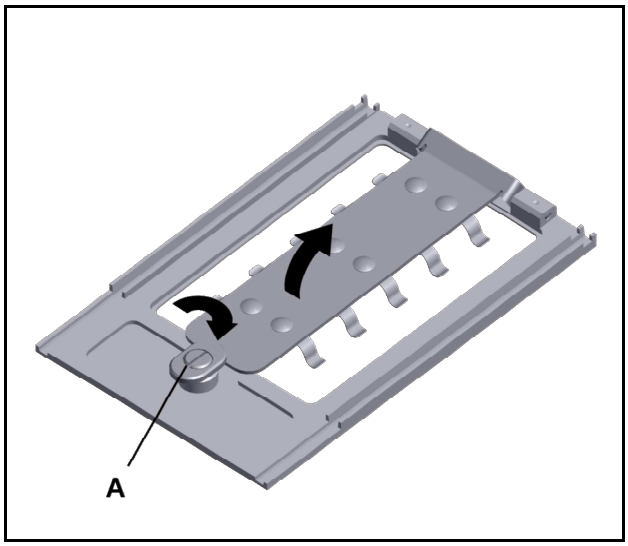



Figure 87 Opening the inlay

1. Open the inlay's lock (A) and raise the bar.

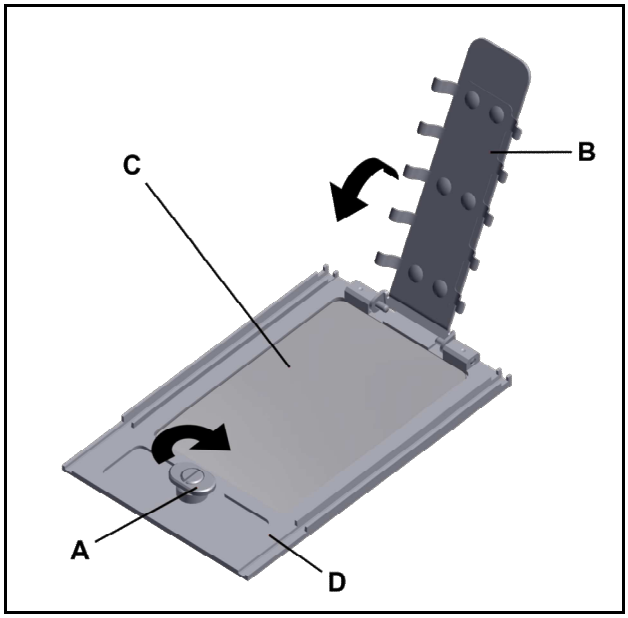



Figure 88 Inserting a MetalliCard in the inlay

2. Insert the MetalliCard (C) in the inlay (D).
3. Lower the bar (B) and close the lock.

**Direction of insertion for MetalliCards**

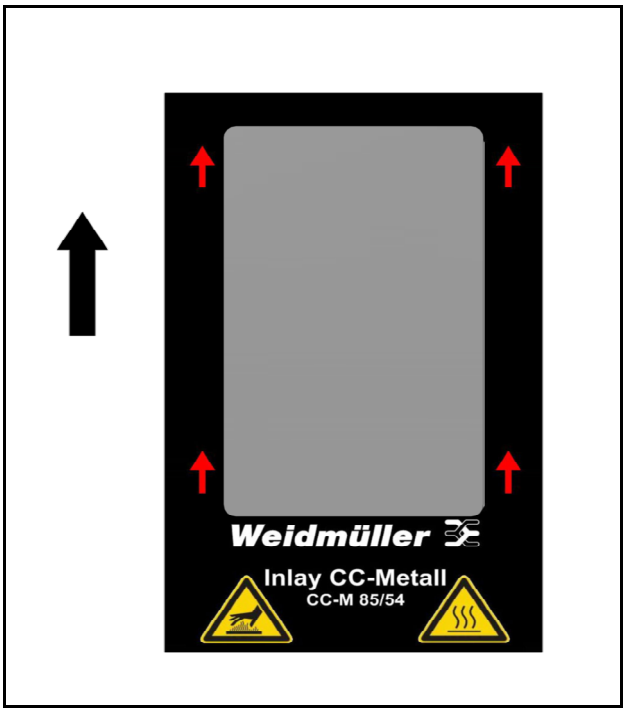



Figure 89 Direction of insertion for MetalliCards

## 5.1.3 Processing a single MultiCard/MetalliCard

Place the single MultiCard/MetalliCard on the green conveyor belt (A) in the direction of the arrow.

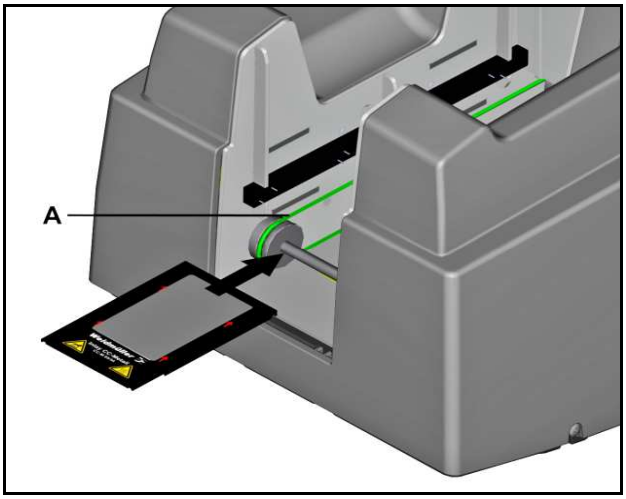



Figure 90 Inserting a single MetalliCard inlay

**A** One at a time

## 5.1.4 Processing a stack of MultiCards

**Important information**

- Only MultiCards are allowed to be inserted in stacks (not MetalliCards).
- You can insert a stack of up to 30 MultiCards in the loader.
- The stack must not exceed 30 MultiCards.
- The stack must not contain a mix of full-size and half-size MultiCards.

Insert the stack of MultiCards in the loader (A) in the direction of insertion shown previously.

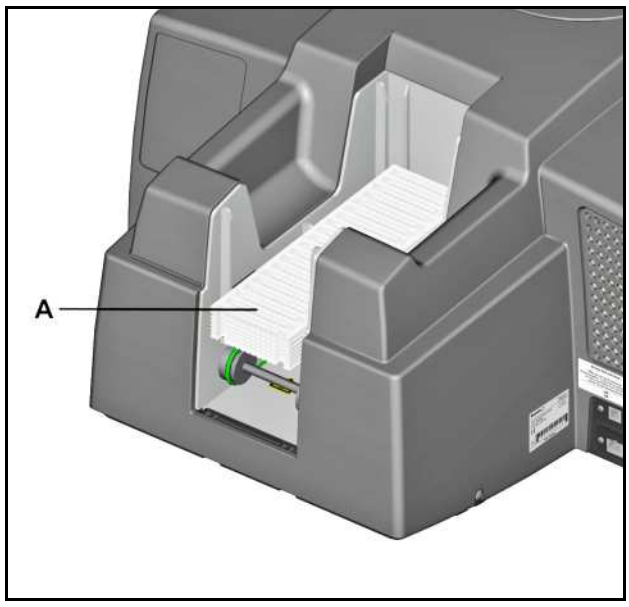



Figure 91 Inserting a stack of MultiCards

**A** Loader to hold the stack

## 5.2 Software settings

The following settings must be made via the M-Print® PRO software.

To determine some settings, it is necessary to print a MultiCard.
The printed MultiCard can be cleaned with cold water and used again.

| | |
|---|---|
| | **Important information**<br>The MultiCard is not cured in this process.<br>The ink can be wiped off easily.<br>Make sure that you do not get your clothes dirty. |

### 5.2.1 Starting M-Print® PRO

Start M-Print® PRO via the program icon on the desktop or via Start → Programs → Weidmüller → M-Print® PRO.

Figure 92 M-Print® PRO program icon on the desktop

## 5.2.2 Mapping and calibrating the printer

| | |
|---|---|
| | A printer must be assigned for each MultiCard type, e.g. DEK 5/5.<br>Calibration must be carried out once for the printer, as this is a printer-specific zero point. |

### Assigning a printer

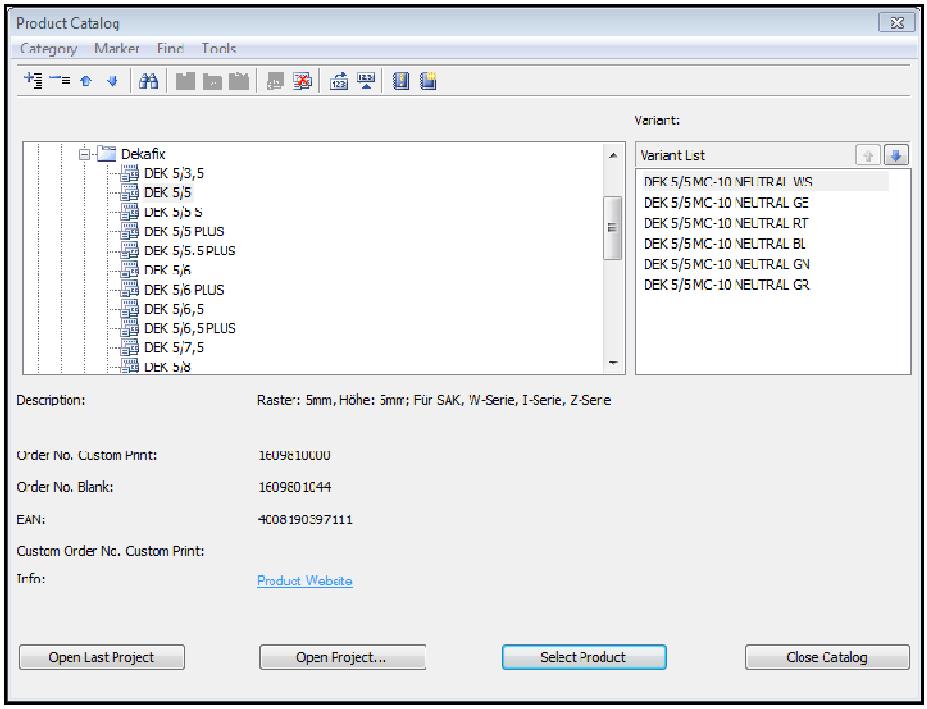



Figure 93 Selecting a MultiCard

1. Choose e.g. MultiCard → Terminal Markers.
2. Select the DEK 5/5 MC-10 NEUTRAL WS MultiCard.
3. Press the [Select Product] button.
4. From the menu bar choose File → Print.

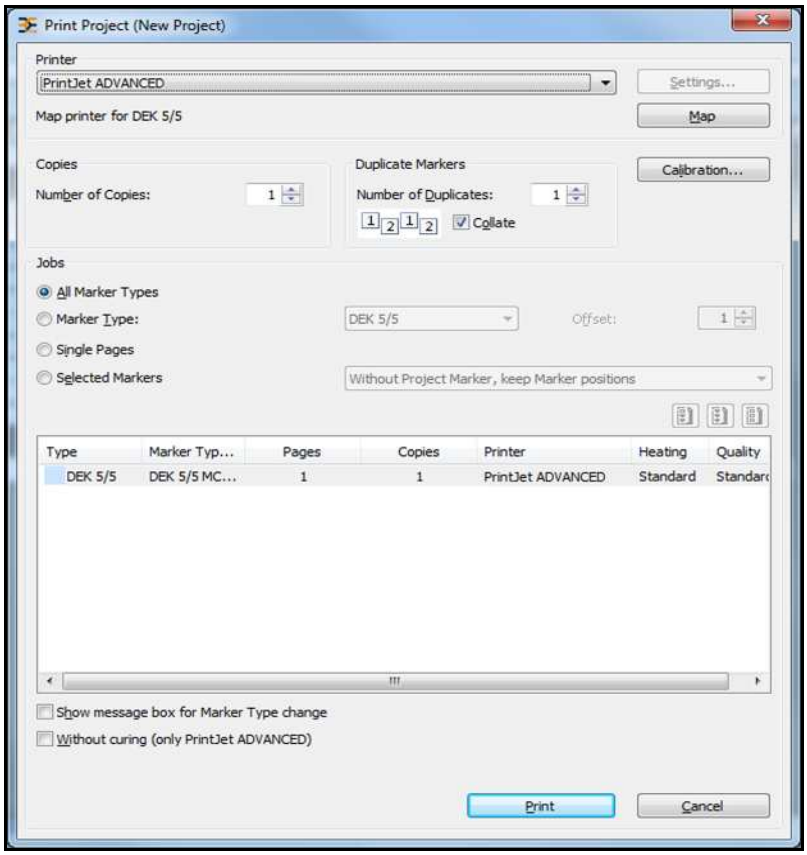



Figure 94 Selecting the printer

**5** Select the Print**Jet ADVANCED** printer that has been added.

**6** Press the [Map] button.

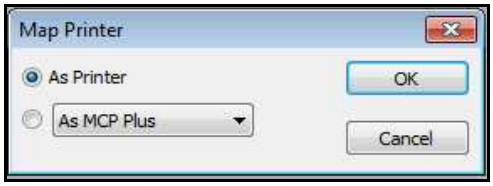



Figure 95 Mapping the printer

**7** In the dialog box that follows choose ‘As Printer’ and confirm this with the [OK] button.

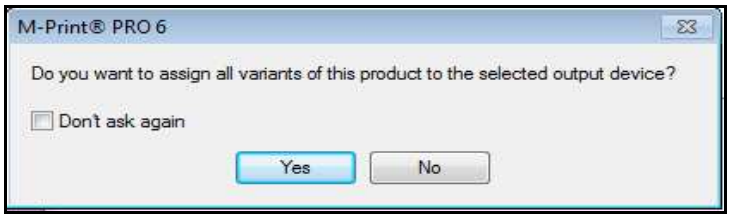



Figure 96 Assigning variants to the printer

**8** In this dialog box choose whether you want to assign all variants of the DEK 5/5 MultiCard to this printer.

If you press the [Yes] button, all versions of the MultiCard type DEK 5/5 are assigned to the Print**Jet ADVANCED** and are always output on this printer unless this setting is changed.

### Printer calibration

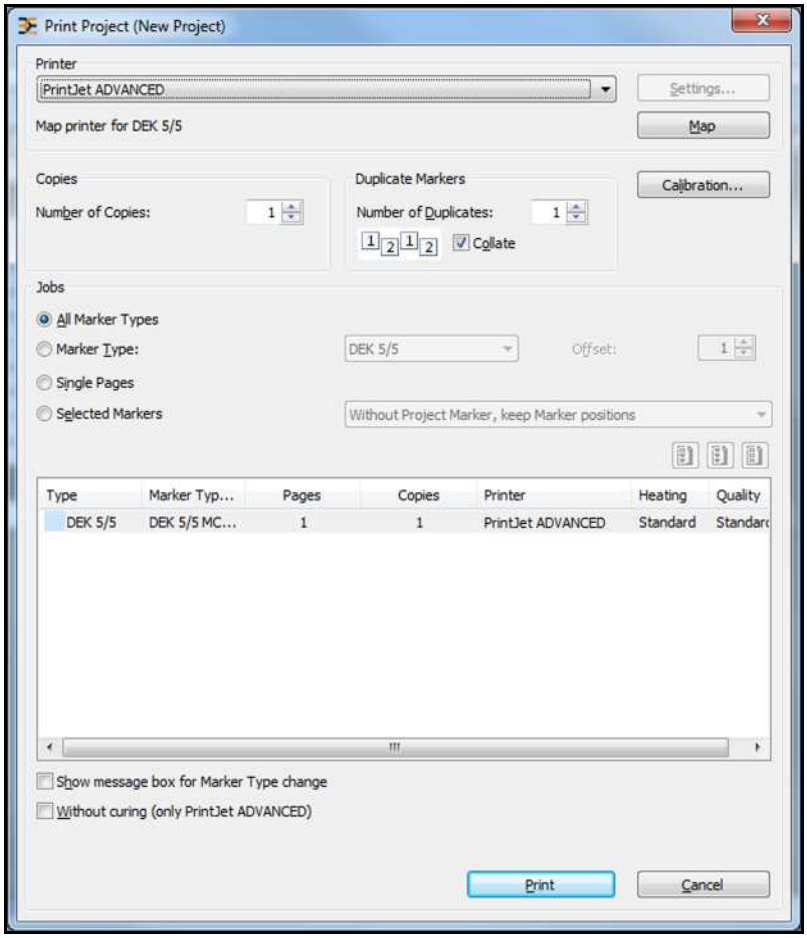



Figure 97 Calibration

**9** Now click on the [Calibration…] button to determine the print position for the printer.

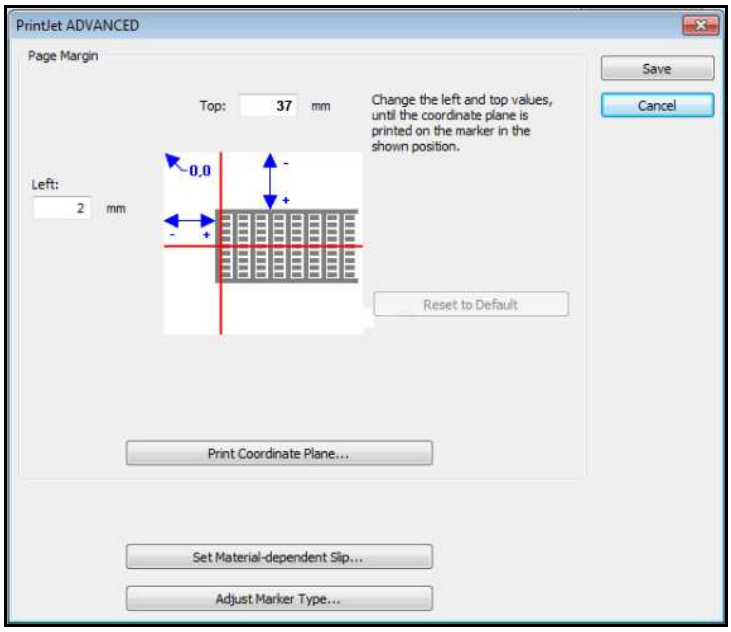



Figure 98 Coordinate plane

**10** Insert, for example, a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer (also see section “5.1.2 Inserting MultiCards/MetalliCards”).

**11** Click the [Print Coordinate Plane] button.

**12** Measure the X and Y values as shown below and enter them in the corresponding fields.

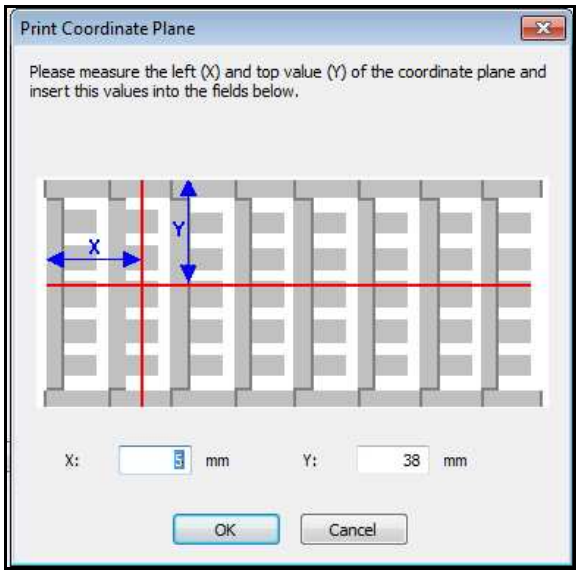

Print Coordinate Plane
Please measure the left (X) and top value (Y) of the coordinate plane and insert this values into the fields below.
X
Y
X: mm
Y: 38 mm
OK
Cancel

Figure 99 Measuring and entering values

The values that you enter automatically correct the side margins.

**13** Repeat the steps until the coordinate plane is in the following position on the printed MultiCard.

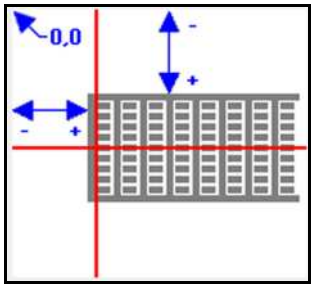



Figure 100 Position of the coordinate plane

**14** Check this by printing a coordinate plane with the corrected values.

**15** Save the settings by clicking the [Save] button.

**16** Next set the printer correction (see the following section).

### 5.2.3 Setting the printer correction

| | |
|---|---|
| | The printer correction must only be set once. It does not depend on the MultiCard type. |

1 From the menu bar choose Tools → Printer Settings → Set Printer Correction...

2 Insert, for example, a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer (also see section “5.1.2 Inserting MultiCards/MetalliCards”).

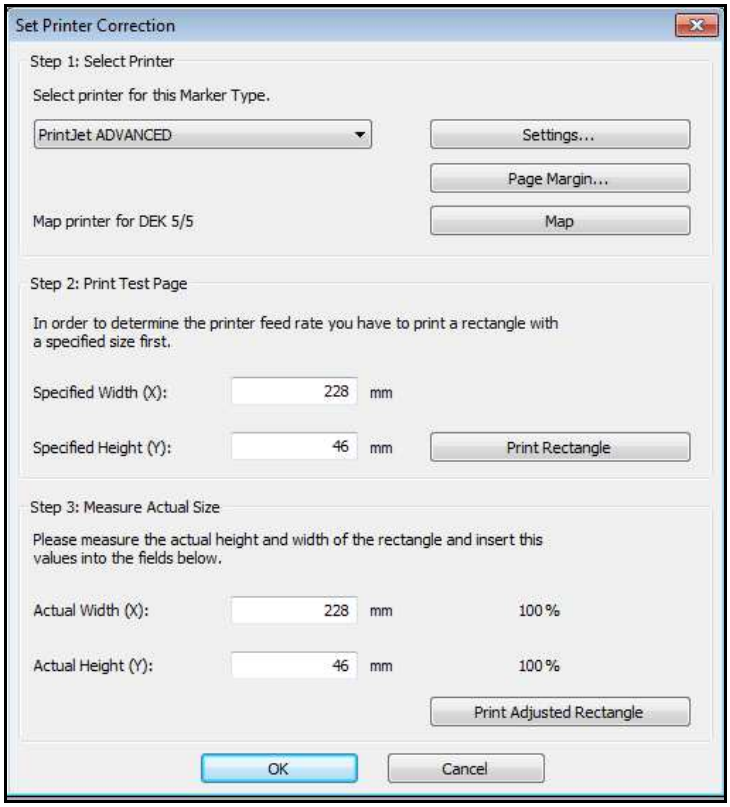



Figure 101 Setting the printer correction

3 Print a rectangle of the specified size (228 x 46 mm) by pressing the [Print Rectangle] button.

4 Remove the printed MultiCard from the printer.

5 Measure the size of the printed rectangle.

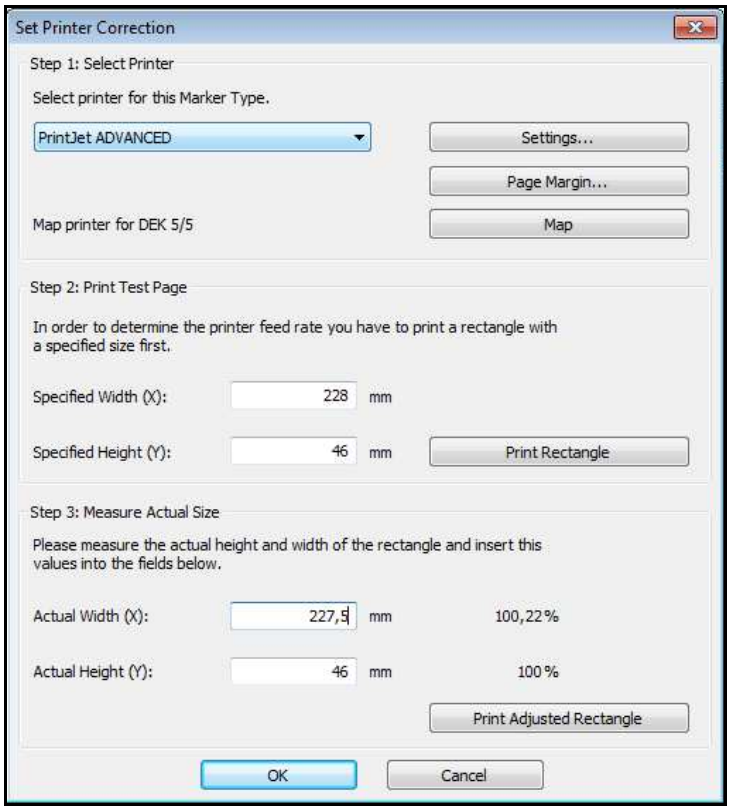



Figure 102 Setting the printer correction

**6** Enter the measured values in the 'Actual Width (X)' and 'Actual height (Y)' fields.

In the example above the measured values are 227.5 x 46. The printer must output the rectangle 0.22% larger in order to reach the required output size.

**7** To check the dimensions, insert a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer again.

**8** Press the [Print Adjusted Rectangle] button.

**9** When the dimensions are correct, confirm your inputs with the [OK] button.

The printer has now been adjusted for all MultiCards.

**10** Next set the material-dependent slip (see the following section).

### 5.2.4 Setting material-dependent slip

The material-dependent slip correction must take place for every MultiCard version, as it must be set material dependently.

1 From the menu bar choose Tools → Printer Settings → Set Material-Dependent Slip...

2 Insert, for example, a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer (also see section “5.1.2 Inserting MultiCards/MetalliCards”).

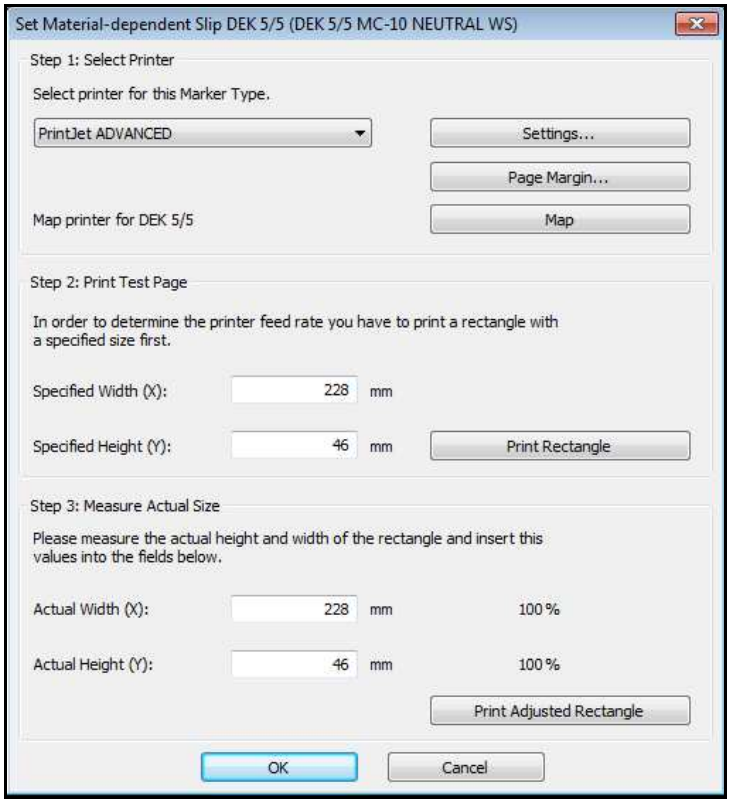



Figure 103 Setting material-dependent slip

3 Print a rectangle of the specified size (228 x 46 mm) by pressing the [Print Rectangle] button.

4 Remove the printed MultiCard from the printer.

5 Measure the size of the printed rectangle.

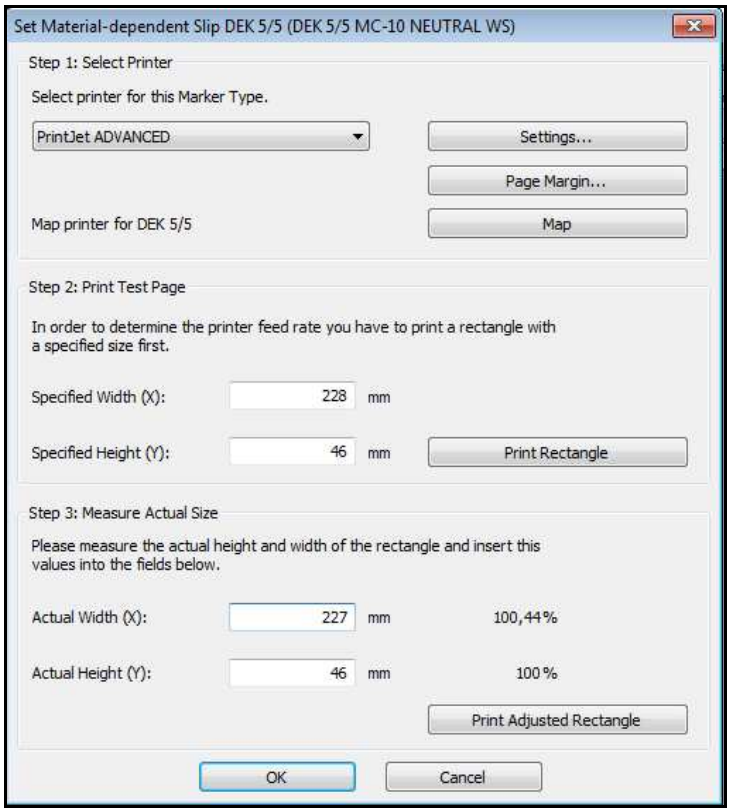



Figure 104 Material-dependent slip – entering the measured values

**6** If the measured values differ from the specified size, enter these measured values in the 'Actual Width (X)' and 'Actual height (Y)' fields.

In the example above the measured values are 227 x 46. The printer must output the rectangle 0.44 % larger in order to reach the required output size.

**7** To check the dimensions, insert a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer again.

**8** Click the [Print Adjusted Rectangle] button.

**9** When the dimensions are correct, confirm your inputs with the [OK] button.

**10** Next set the printer correction (see the following section).

## 5.2.5 Adjusting MultiCards

MultiCards may not be their normal size, for example as a result of the ambient temperature. It is generally the width that is affected by such a change. You can adjust MultiCards to compensate for these physical changes. The adjustment must be set for every MultiCard type.

**1** From the menu bar choose File → Adjust Marker Type...

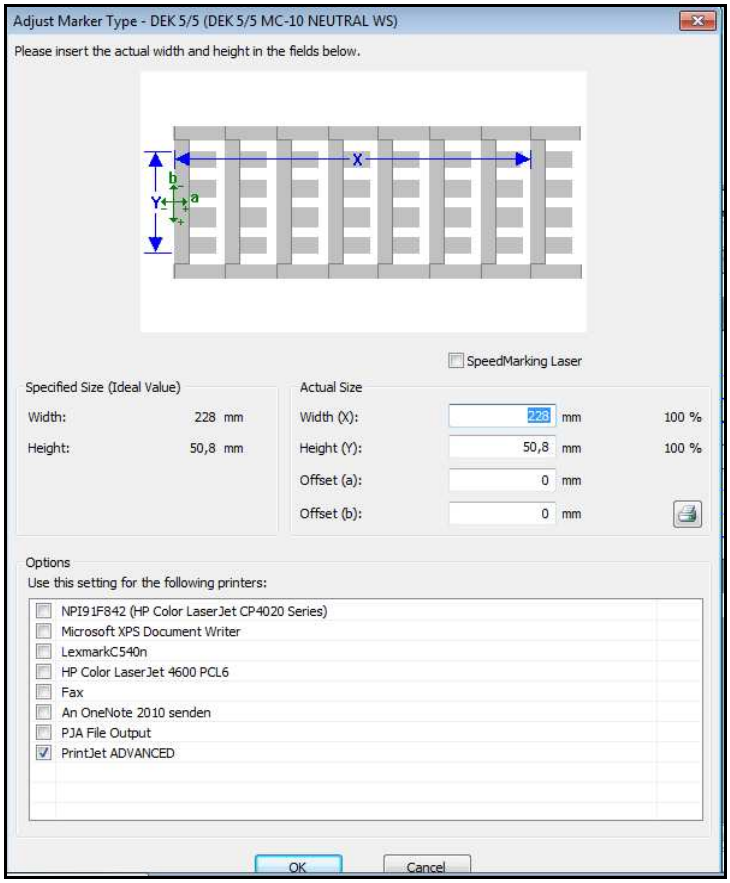



Figure 105 Adjusting the marker type

**2** Measure the width (X) from the beginning of the first project marker to the beginning of the last project marker (see figure above).

**3** To determine the height (Y), measure from the lower edge of the bottom marker to the upper edge of the top marker (see figure above).

**4** Enter the actual measured values in the 'Width (X)' and 'Height (Y)' fields.

Enter the required values in the 'Offset (a)' and 'Offset (b)' fields to adjust the offset.

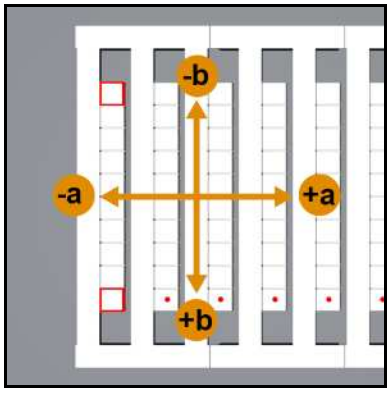



Figure 106 Adjusting the offset

**5** Insert, for example, a DEK 5/5 MC-10 NEUTRAL WS MultiCard in the printer (also see section "5.1.2 Inserting MultiCards/MetalliCards").

**6** Click the printer icon:

The printed MultiCard looks like this:

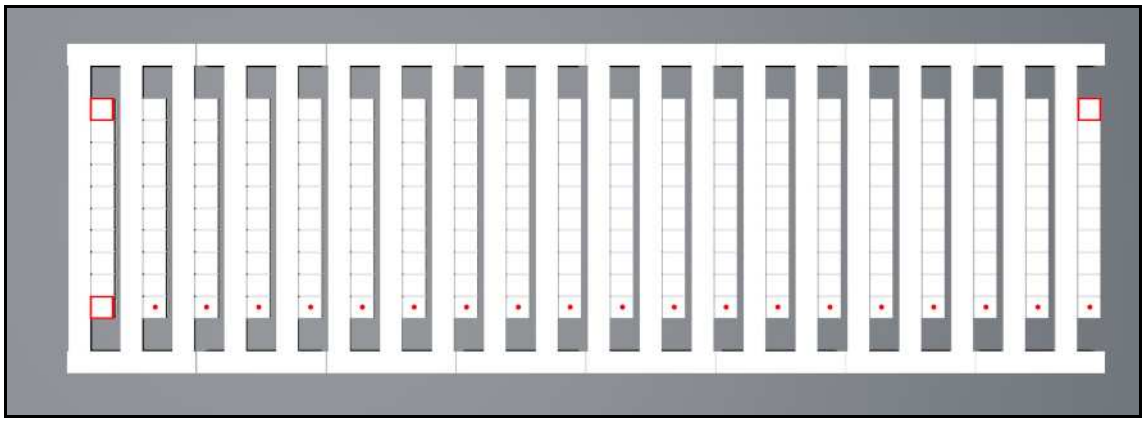


Figure 107 MultiCard

Three squares and one row of dots were printed on the MultiCard.

**Example of an incorrect zero point in the X direction (offset a)**

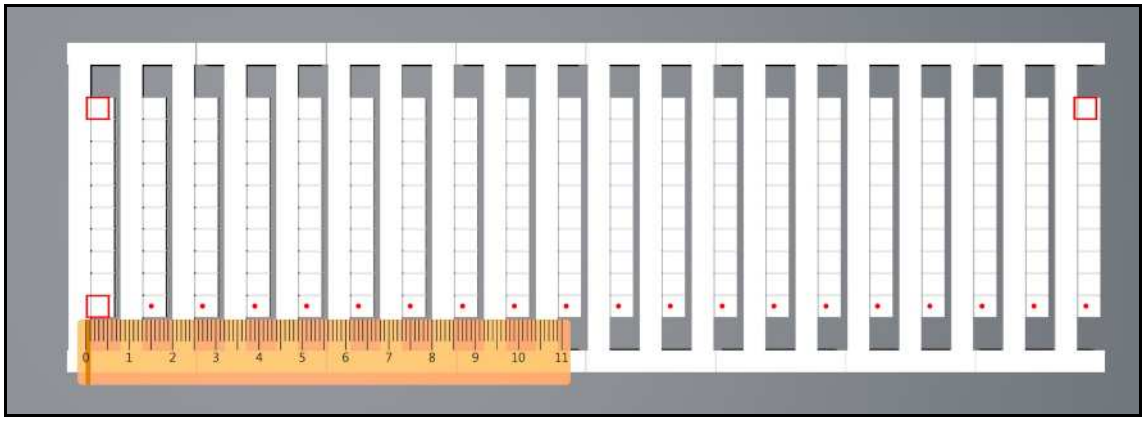



Figure 108 Adjusting the zero point in the X direction

In this example the three squares and the row of dots were printed 1 mm too far to the left.

To adjust this, it is necessary to change the value for 'Offset (a)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

In this example the squares have to be shifted to the right. Consequently a positive value must be entered (1 mm in this example).

**Example of an incorrect zero point in the Y direction (offset b)**

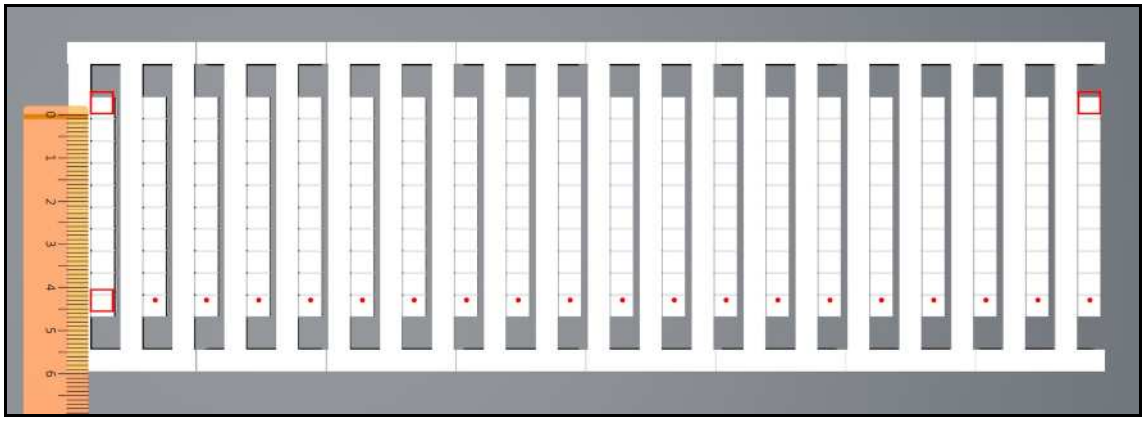


Figure 109 Adjusting the zero point in the Y direction

In this example the three squares and the row of dots were printed 1 mm too far up.

To adjust this, it is necessary to change the value for 'Offset (b)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

In this example the squares have to be shifted down. Consequently a positive value must be entered (1 mm in this example).

**Example of an incorrect width X (adjusting the centering for all markers)**

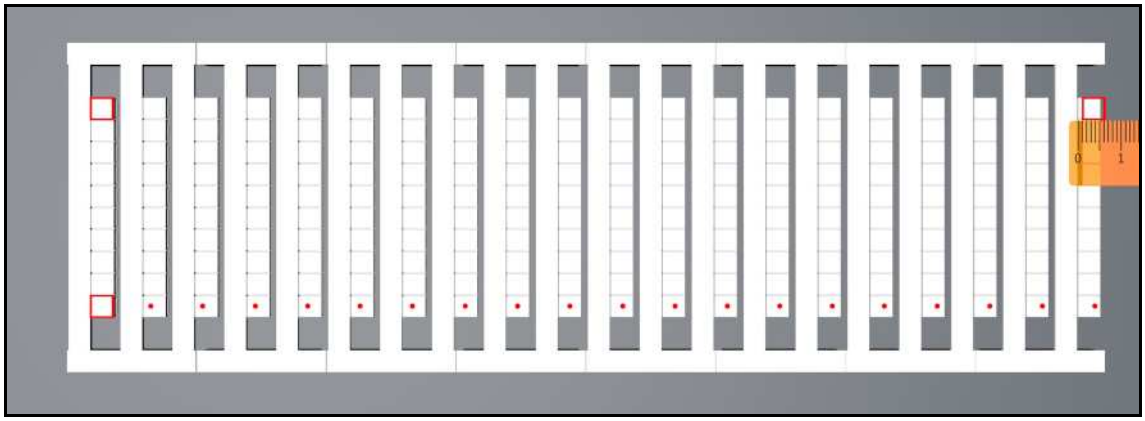


Figure 110 Adjusting the centering in the X direction

From marker to marker, printing is increasingly shifting from the center to the right.

To adjust this, it is necessary to subtract the measured value (1 mm in this example) from the actual value for 'Width (X)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

If printing is increasingly shifting, from marker to marker, from the center to the left, it is necessary to add the measured value to the current value for 'Width (X)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

**Example of an incorrect height Y (adjusting the centering for all markers)**

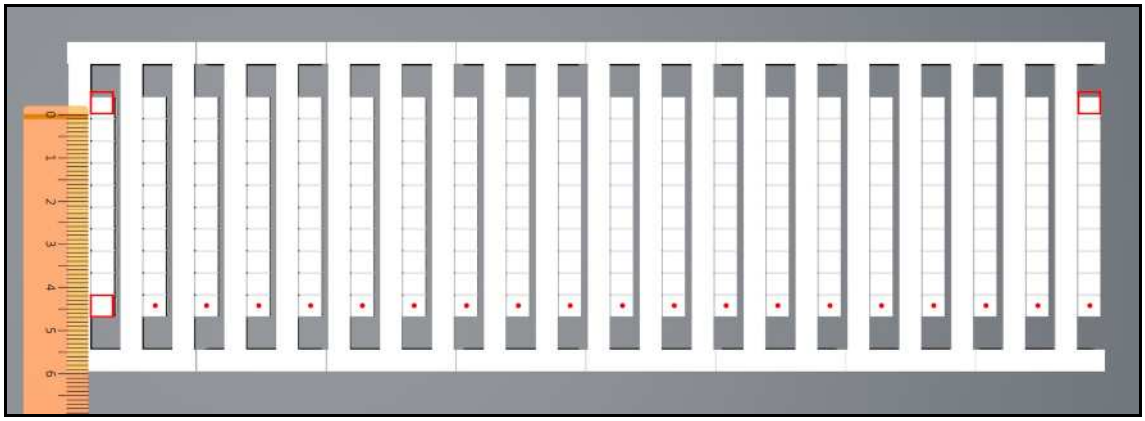


Figure 111 Adjusting the centering in the Y direction

From marker to marker, printing is increasingly shifting from the center upward.

To adjust this, it is necessary to subtract the measured value (1 mm in this example) from the current value for 'Height (Y)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

If printing is increasingly shifting, from marker to marker, from the center downward, it is necessary to add the measured value to the current value for 'Height (Y)' in the 'Adjust Marker Type' window (see Figure 105 Adjusting the marker type).

**Important information**

If MultiCards are adjusted at just one computer, these settings must be made available to the other computers. This is done by the administrator. For details of this, read section “4.14.3 Tasks to be done on the clients”).

### 5.2.6 Printing MultiCards/MetalliCards

Procedure:

1. Start the M-Print® PRO software.
2. Select the required MultiCard/MetalliCard.
3. Enter the text or insert an image or barcode that you want to print.
4. Insert the MultiCard/MetalliCard or the MultiCard stack.
5. Start printing via M-Print® PRO.

It is also possible to store the print job on a USB stick and insert this stick directly in the printer's USB master port. The print job is then selected and printed at the touch panel via the [TEMPLATES] button, see section "5.3.15 Printing the templates from the USB stick".

### 5.2.7 Curing settings / Heating level

The settings for curing MultiCards and MetalliCards differ and are applies automatically.

It is possible to set a higher or lower intensity for curing. Details on fine adjustment of the heating level can be found in the M-Print® PRO user manual.

After cooling, check each MultiCard or MetalliCard for resistance to smudging and scratching.

### 5.2.8 Selecting the print quality

It is possible to determine the print quality. Details on this process can be found in the M-Print® PRO user manual.

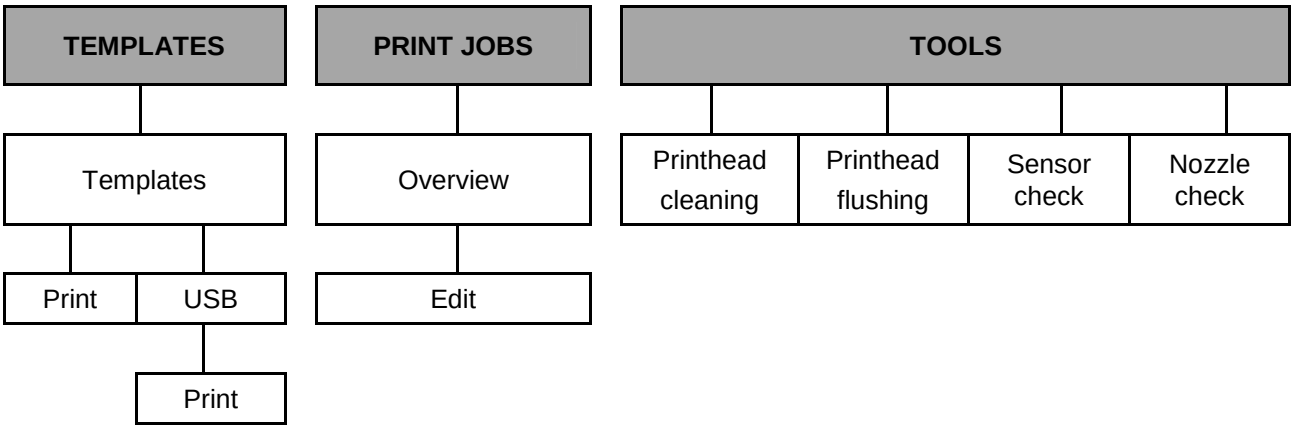
## 5.3 Touch panel

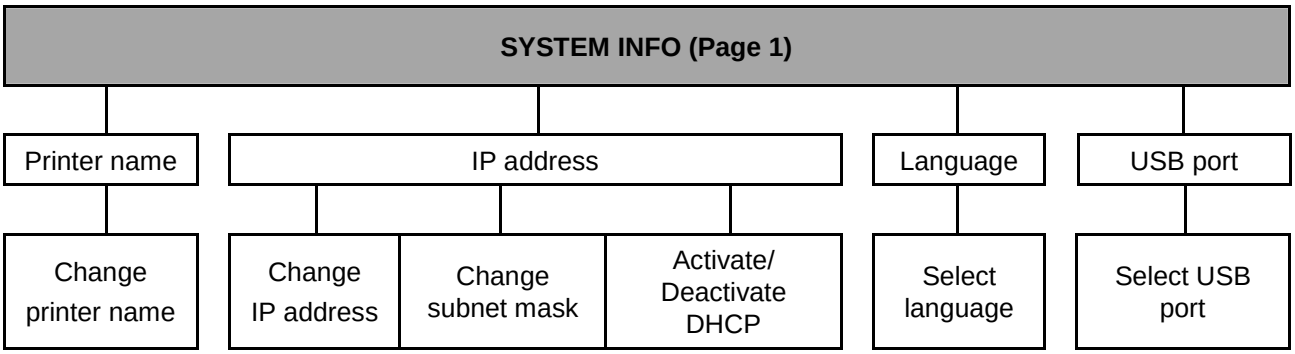
The touch panel enables you to look up information about the printer such as the current ink level in the cartridges, view and delete print jobs and carry out maintenance. You can also set the required language for the touch panel and print out sample templates.

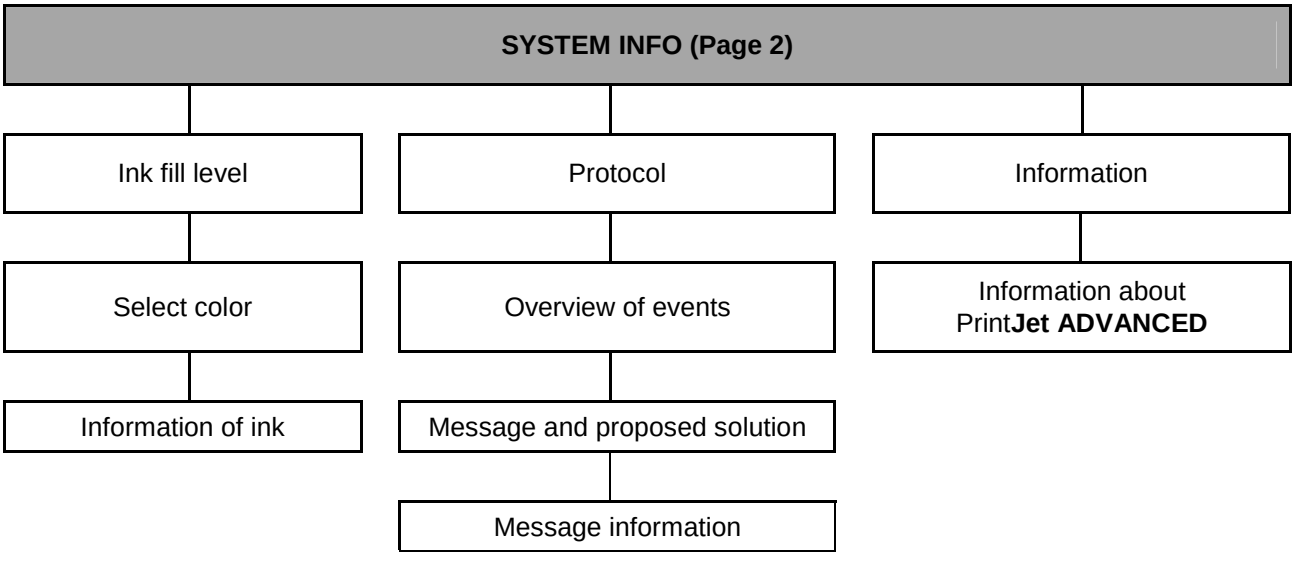
The touch panel displays prompts to change the ink cartridges and to maintain the printer.

The touch panel can be raised and rotated to the position you require (see section “4.6 Positioning the touch panel”).

### 5.3.1 Menu structure of the touch panel



### 5.3.2 Main menu

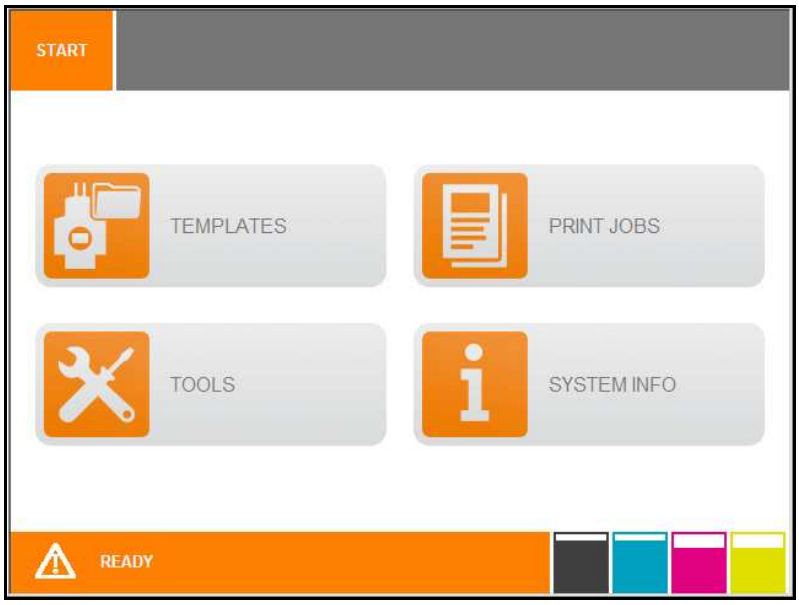



Figure 112 Touch panel – main menu

The printer status is shown in the bottom line. In the example above the printer is 'Ready'.

Pressing one of the four buttons – [TEMPLATES], [PRINT JOBS], [TOOLS] and [SYSTEM INFO] – takes you to the corresponding submenu.

The bottom part of the main menu shows the ink level of the individual cartridges. You can find exact details of the ink level under [SYSTEM INFO] in the second window (see section "5.3.4.2 System Info").

### 5.3.3 Submenus

Other buttons are available in the submenus:

Touching this arrow button displays the next page.

Touching this arrow button displays the previous page.

Touching this button takes you back to the main menu.

The currently selected menu, for example System Info, is shown at the top of the touch panel.

### 5.3.4 System Info

**1** Touch the [SYSTEM INFO] button on the touch panel's main menu.

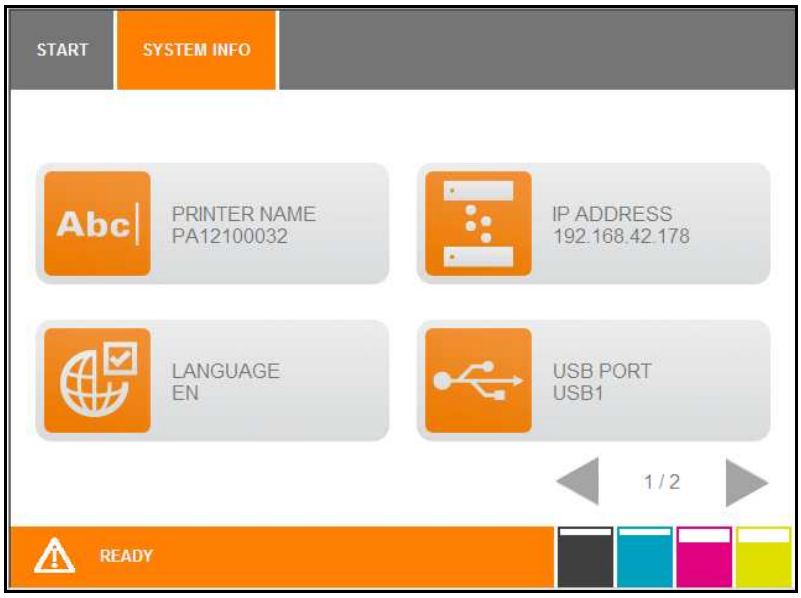



Figure 113 Touch panel – System Info 1

Figure 114 Touch panel – System Info 2

The following sections provide more information about the individual menu items.

### 5.3.5 Changing the printer name

The preset printer name is always the serial number. You can assign a self-explanatory name to the printer to be able to identify it better. Follow these steps:

**1** In the first System Info window, select the [PRINTER NAME] button.

The following window appears:

Figure 115 Touch panel – System Info 1 – printer name

**2** Enter the desired printer name via the on-screen keys and touch the [SAVE] button to confirm it.

You can delete the entire entry with the [X] key.
You enter a space character with the [Space] key.
You can switch to numeric keys with the [123] key.

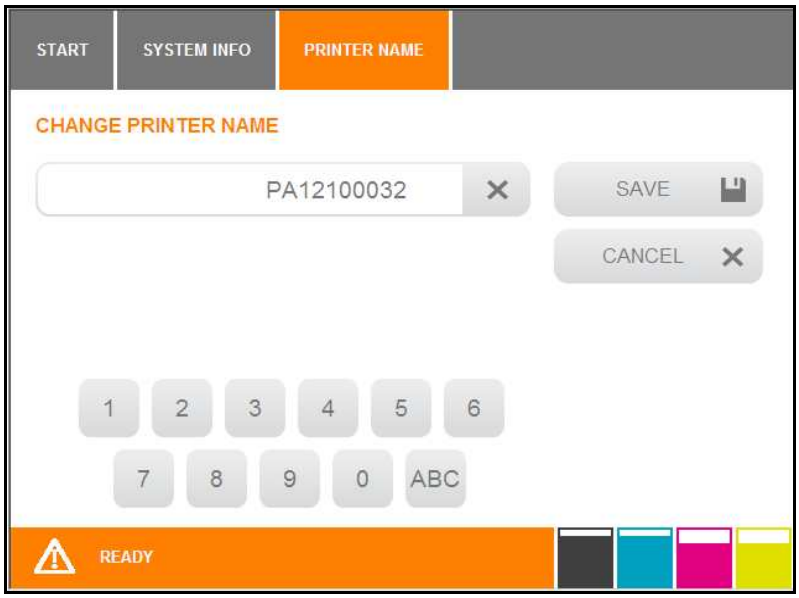



Figure 116 Touch panel – System Info 1 – printer name

**3** In this window you can enter the required data via the numeric keys.

You can delete the entire entry with the [X] key.

**4** Save your inputs by touching the [SAVE] button.
**5** It may be necessary to restart the printer (if so, a message is then displayed on the touch panel).

## 5.3.6 Changing the IP address and subnet mask and activating DHCP

**Important information**

Installation should be carried out by a specialist. Administrator rights are required for this process.

You can assign the IP address either statically by entering the IP address and subnet mask or dynamically by activating the Dynamic Host Configuration Protocol (DHCP).

In the case of static IP address assignment the printer will always have the network data that you enter (IP address and subnet mask). In the case of dynamic IP address assignment via DHCP the printer might have a different IP address when it is restarted.

If you choose [DHCP], the IP address and its subnet mask are automatically retrieved from the DHCP server on the network. This means that a DHCP server must be accessible on the network.

**Important information**

If you activate [DHCP], the printer must be added via the network name (not via the IP address as this might change when the printer is restarted).

### IP address

1 Touch the [SYSTEM INFO] button on the main menu.
2 In the first System Info window, touch the [IP ADDRESS] button.

The following window appears:

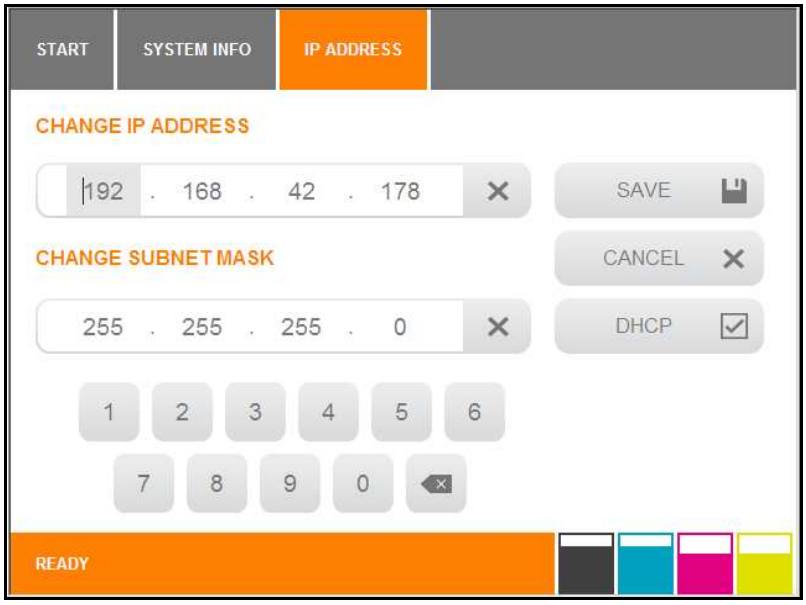



Figure 117 Touch panel – System Info 1 – IP address/subnet mask/DHCP

**Subnet mask**

**3** Change the network parameters and touch the [SAVE] button to confirm the changes.
You can delete the entire entry with the [X] key.

The following window appears:

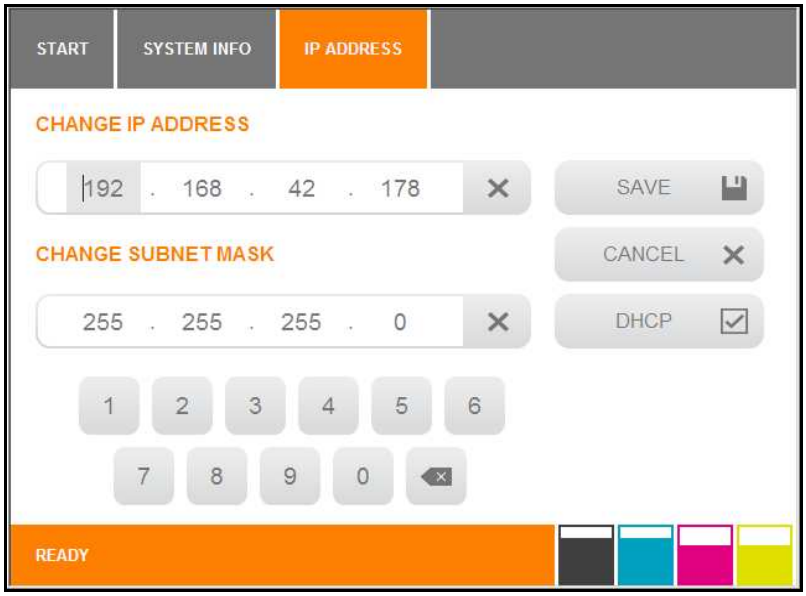



Figure 118 Touch panel – System Info 1 – IP address/subnet mask/DHCP

### Activating DHCP

1 Touch the [SYSTEM INFO] button on the main menu.
2 In the first System Info window, touch the [IP ADDRESS] button.

The following window appears:

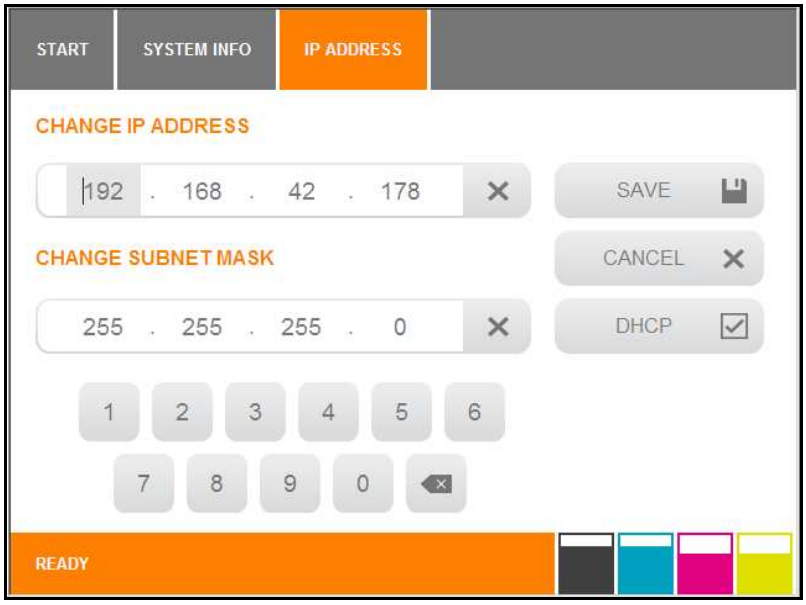



Figure 119 Touch panel – System Info 1 – IP address/subnet mask/DHCP

3 Touch the checkbox [DHCP].
If this checkbox is checked, this function is active.

### 5.3.7 Selecting the language

**1** In the first System Info window, touch the [LANGUAGE] button.

The following window appears:

Figure 120 Touch panel – language

**2** Choose the required language by touching the corresponding button.

Touch this button to scroll forward to the next page and additional options.

Touch this button to scroll back to the previous page.

**3** Touch the [SAVE] button to save the selected language.

### 5.3.8 Changing the USB port

Whenever a printer is installed via a USB port, USB – 001 is assigned to it. If you connect a second printer to the PC, USB – 001 is automatically assigned to this printer, too. A different USB port must therefore be assigned manually to the second printer, e.g. USB – 002 or USB – 003. Proceed as follows to make this change:

**1** In the first System Info window, touch the [USB PORT] button.

The following window appears:

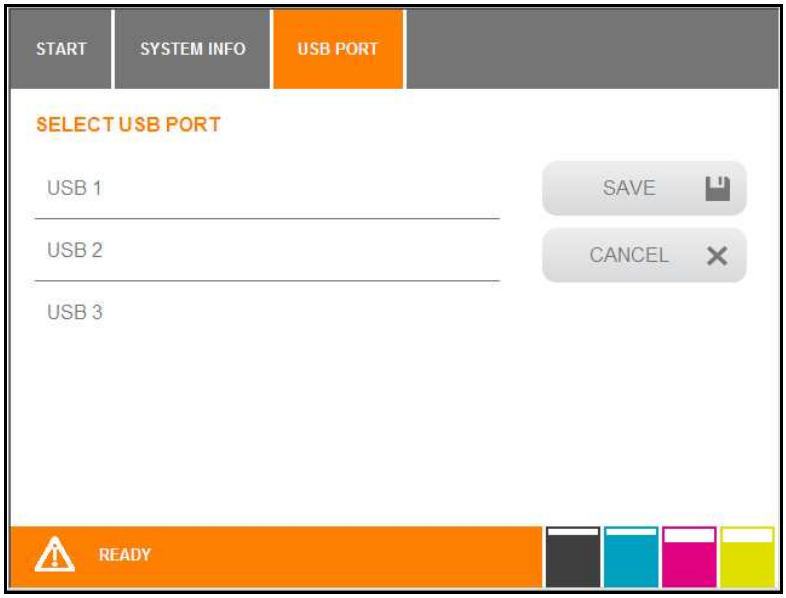



Figure 121 Touch panel – System Info – USB port

**2** Select the desired USB port and touch the [SAVE] button to confirm it.

### 5.3.9 Ink level

Use the [INK LEVEL] button to display information about the ink cartridge.

**1** In the second System Info window, touch the [INK LEVEL] button.

The following window appears:

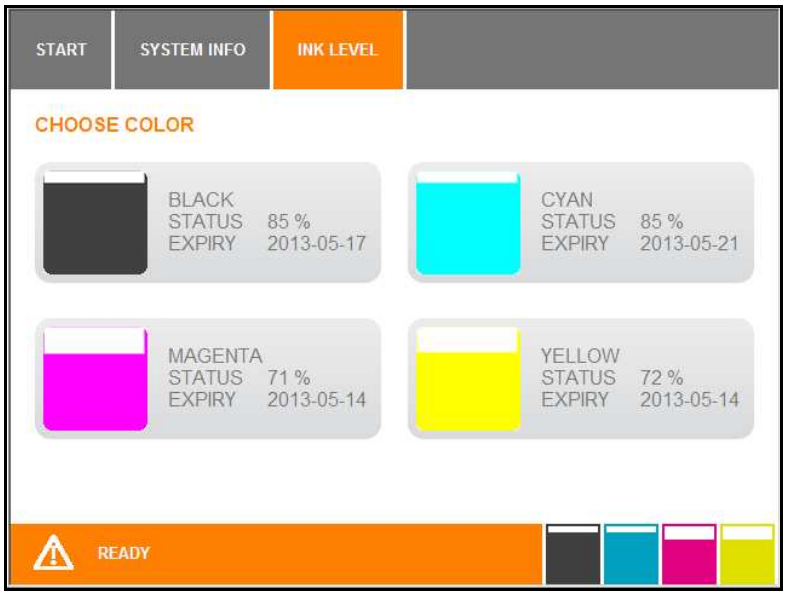



Figure 122 Touch panel – System Info – ink level

**2** If you enter the respective color, a window opens with further information about the selected ink cartridge.

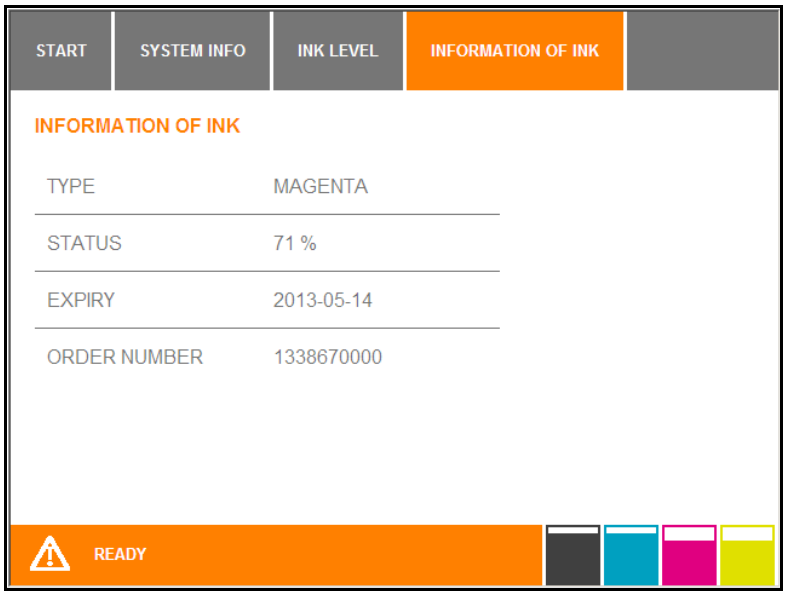



Figure 123 Touch panel – System Info – information of ink

## 5.3.10 Protocol

Use the [PROTOCOL] button to display an overview of printer events.

**1** In the second System Info window, touch the [PROTOCOL] button.

The following window appears:

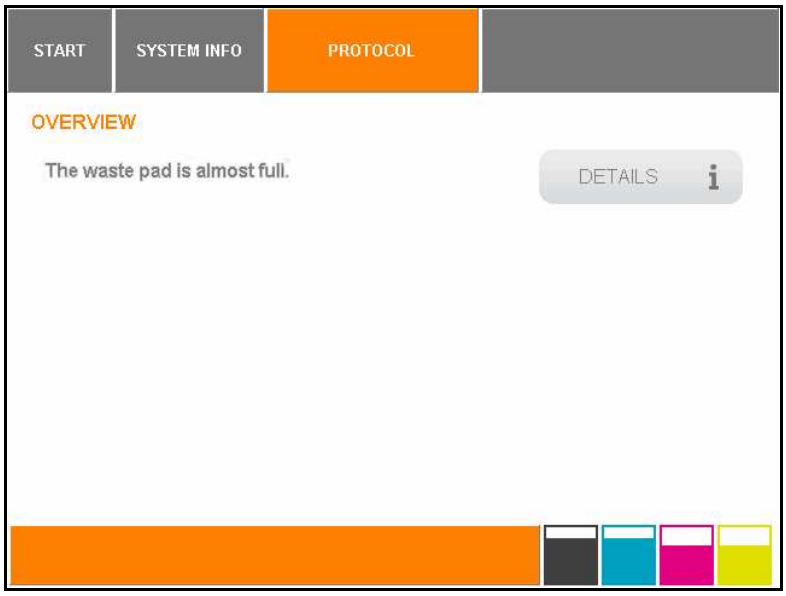



Figure 124 Touch panel – System Info – protocol

**2** If you touch the [DETAILS] button, detailed information about the message and, if necessary, a proposed solution are displayed.

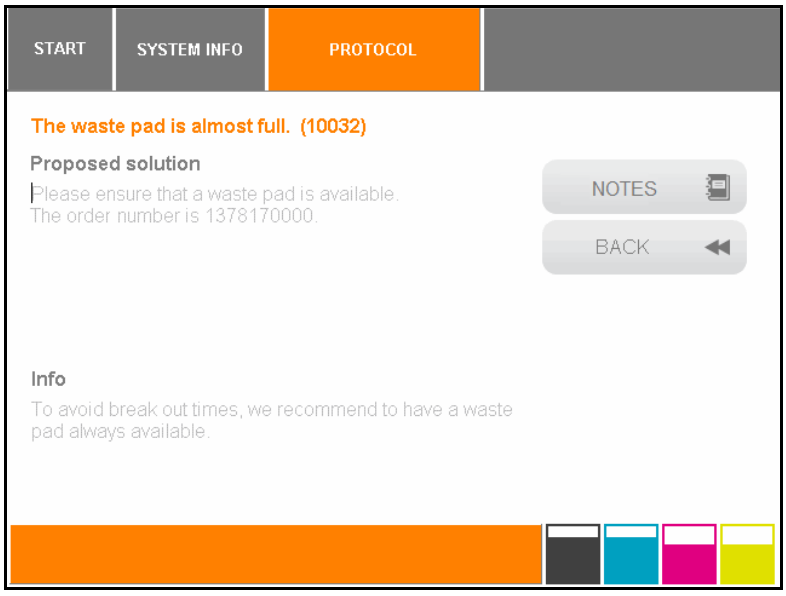



Figure 125 Touch panel – System Info – protocol details

Use the [NOTES] button to display information.

### 5.3.11 Information

**1** In the second System Info window, touch the [INFORMATION] button.

The following window appears:

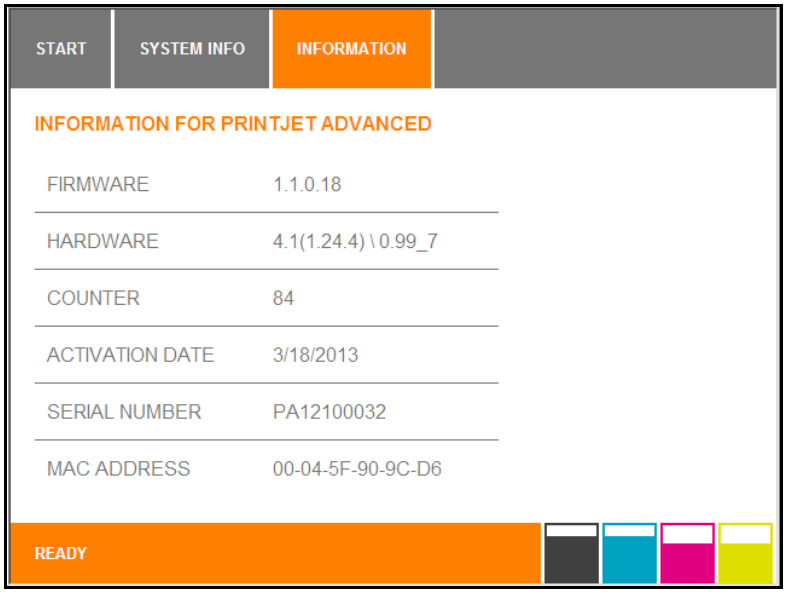



Figure 126 Touch panel – System Info – information

Information about the Print**Jet ADVANCED** is displayed here, e.g. which firmware version is currently in use or how many MultiCards/MetalliCards have been printed.

### 5.3.12 Tools

If you touch the [TOOLS] button on the main menu, you can carry out the following maintenance tasks.

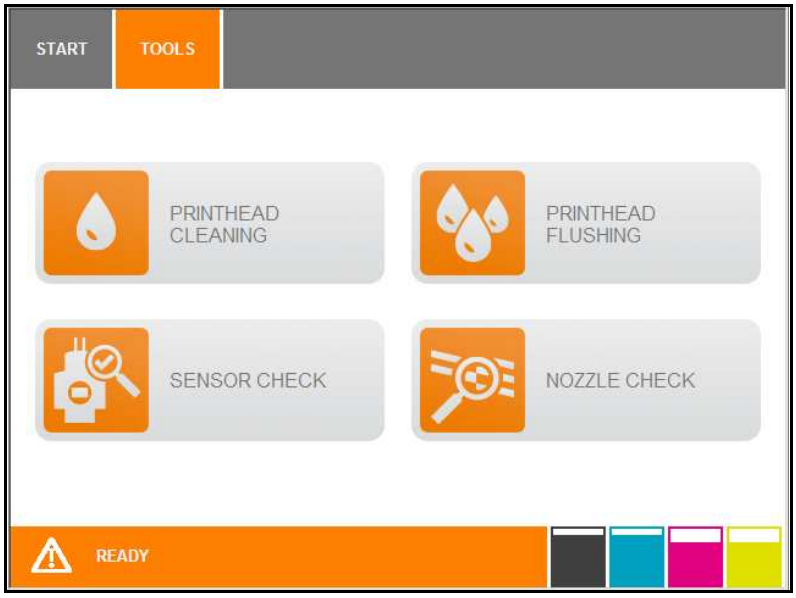



Figure 127 Touch panel – Tools

You will find a description of the individual maintenance tasks in chapter “6 Cleaning and maintenance”.

## 5.3.13 Print jobs

If you touch the [PRINT JOBS] button on the main menu, all print jobs that are still in the printer queue are displayed.

Here you can also delete print jobs if, for example, the wrong file was sent to the printer.

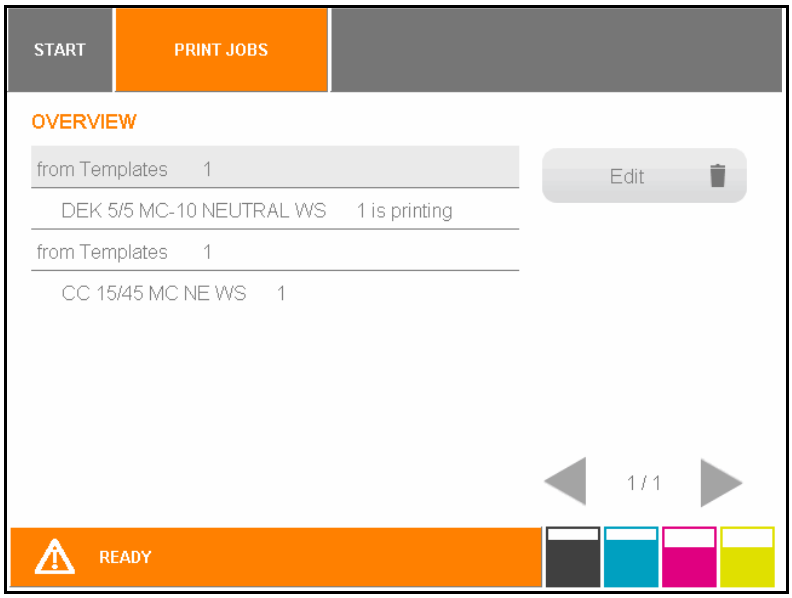



Figure 128 Touch panel – Print Jobs

This window shows all pending print jobs.

**1** Select the print job that you want to delete by touching it.

**2** Touch the [EDIT] button to stop the printer.

**3** Touch the [Delete] button.

A print job that has already started cannot be deleted.

The power cable must not be disconnected during printing.

## 5.3.14 Templates

**1** Touch the [TEMPLATES] button on the touch panel's main menu.

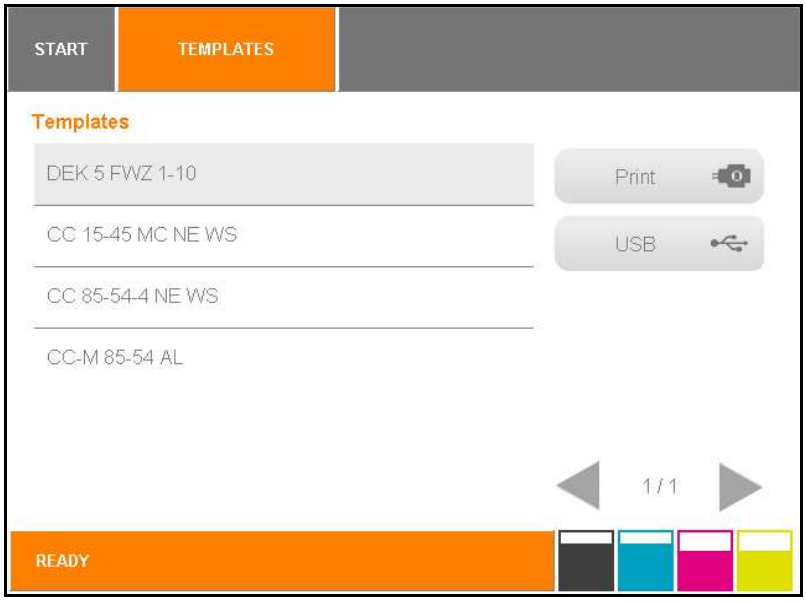



Figure 129 Touch panel – templates

Under [TEMPLATES] you will find sample templates, e.g. for printing tests.

**2** Touch the template that you want to print.

**3** Insert the corresponding MultiCard in the printer.

Touch the [PRINT] button to execute the print job.

### 5.3.15 Printing the templates from the USB stick

You can store print data on a USB stick and output it on the Print**Jet ADVANCED**.

**1** Touch the [TEMPLATES] button on the touch panel's main menu.

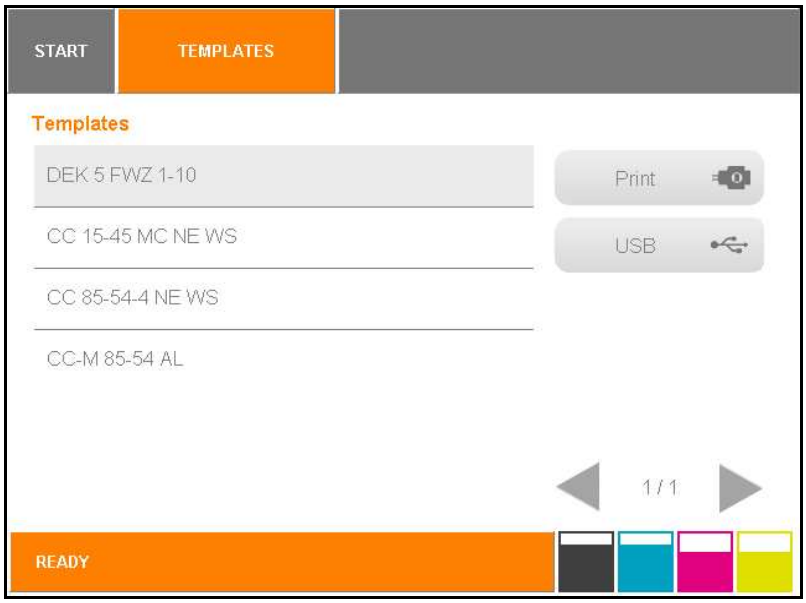



Figure 130 Touch panel – templates

Figure 131 Connection – USB stick

**2** Insert the USB stick into the USB master port.

**3** Touch the [USB] button (see "Figure 130 Touch panel – templates").

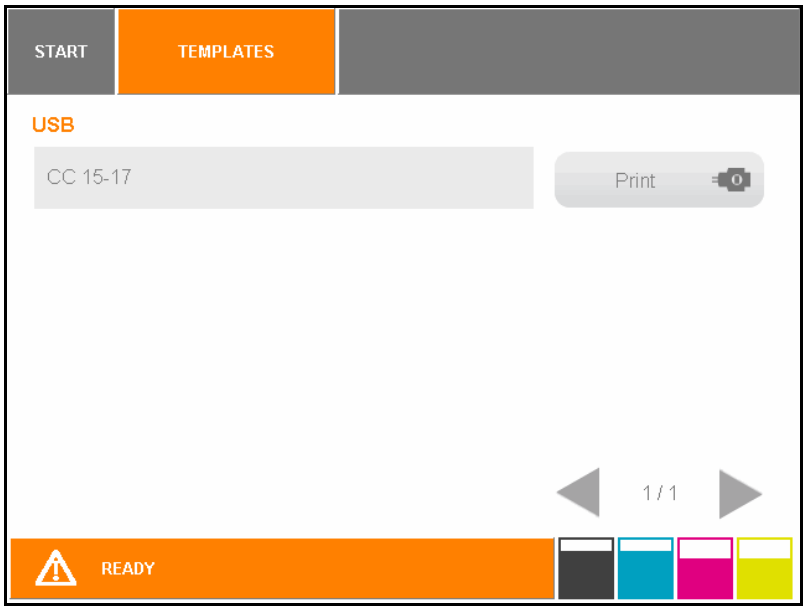



Figure 132 Touch panel – templates

The print files on the USB stick are displayed.

You create print files in M-Print® PRO by choosing 'PJA File Output' as the printer (for details, see the M-Print® PRO user manual.

**4** Touch the [PRINT] button to execute the print job.

# 6 Cleaning and maintenance

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**6.7 Updating the printer software ..... 134**

## 6.1 Tools menu

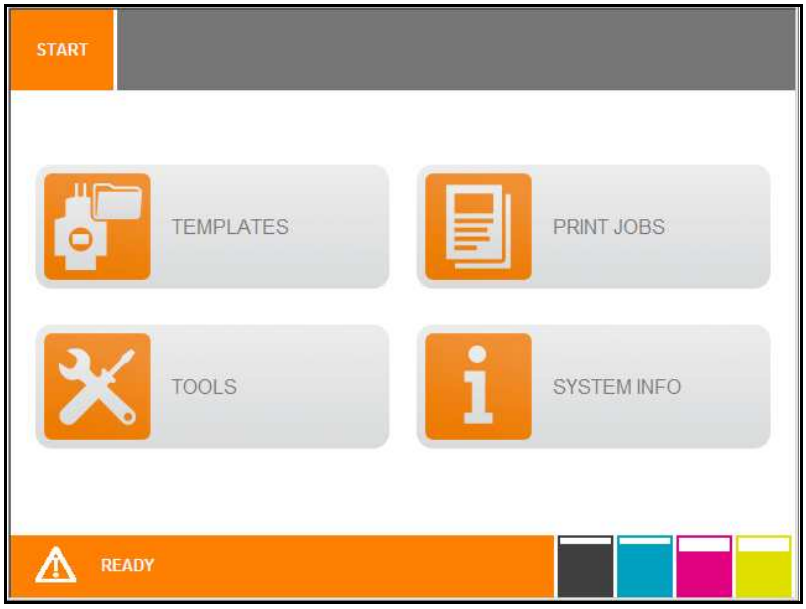



Figure 133 Touch panel – main menu

**1** Touch the [TOOLS] button in the main menu.

The following screen is then displayed:

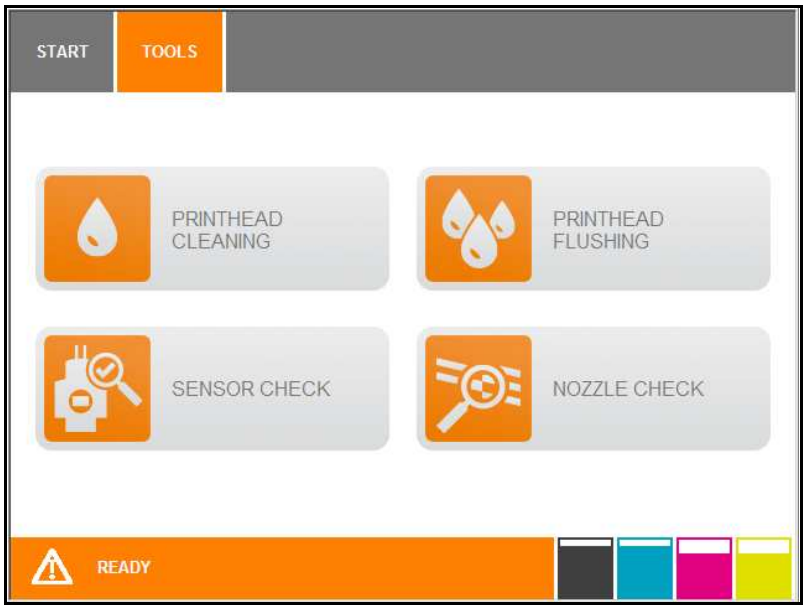
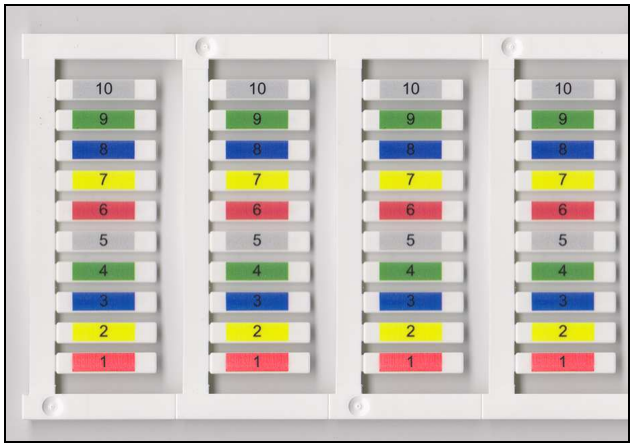



Figure 134 Touch panel – tools menu

### 6.1.1 Printhead cleaning

Carry out printhead cleaning if the print quality deteriorates.

**Print quality correct**




**Print quality insufficient**

**1** Touch the [TOOLS] button in the main menu.

**2** Touch the [HEAD CLEANING] button in the Tools menu.

The following window appears:

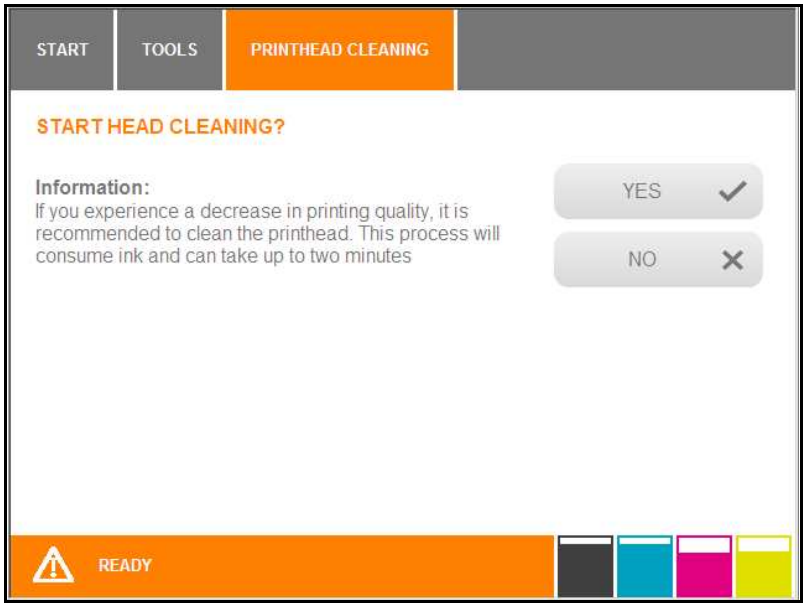

START
TOOLS
PRINTHEAD CLEANING
START HEAD CLEANING?
Information:
If you experience a decrease in printing quality, it is recommended to clean the printhead. This process will consume ink and can take up to two minutes
YES
NO
READY

Figure 135 Touch panel – printhead cleaning

Touch the [NO] button if printhead cleaning should not be executed:

**3** Touch the [YES] button if printhead cleaning should be executed:

Printhead cleaning takes approx. 2 minutes.

The following message is displayed on the touch panel during printhead cleaning:

Figure 136 Touch panel – printhead cleaning duration

**4** Print out a MultiCard.

If the printing result is still not satisfactory, execute printhead flushing.

### 6.1.2 Printhead flushing

If you have carried out printhead cleaning and the printing result is still not satisfactory, execute printhead flushing. With printhead flushing, considerably more ink is used than with printhead cleaning.

**1** Touch the [TOOLS] button in the main menu.

**2** Touch the [HEAD FLUSHING] button in the Tools menu.

The following window appears:

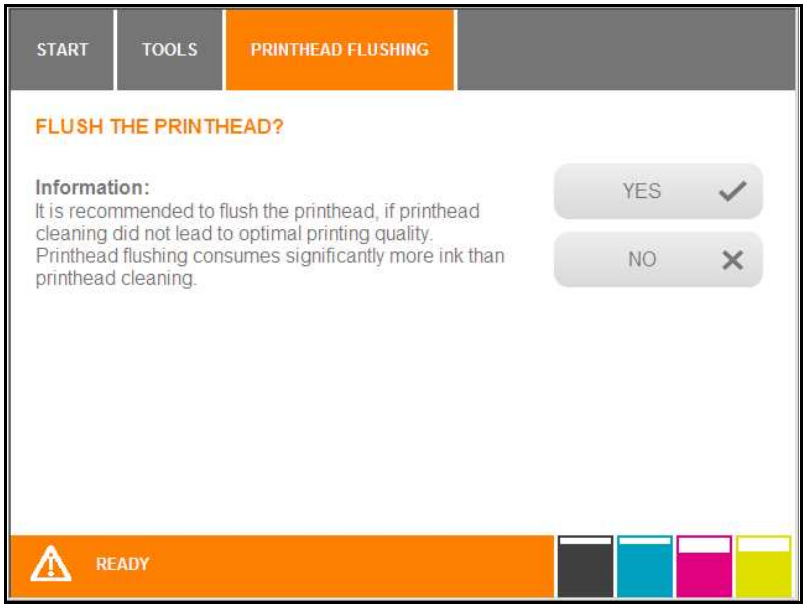



Figure 137 Touch panel – printhead flushing

Touch the [NO] button if printhead flushing should not be executed:

**3** Touch the [YES] button if printhead flushing should be executed:

Printhead flushing takes approx. 5 minutes.

The following message is displayed at the touch panel:

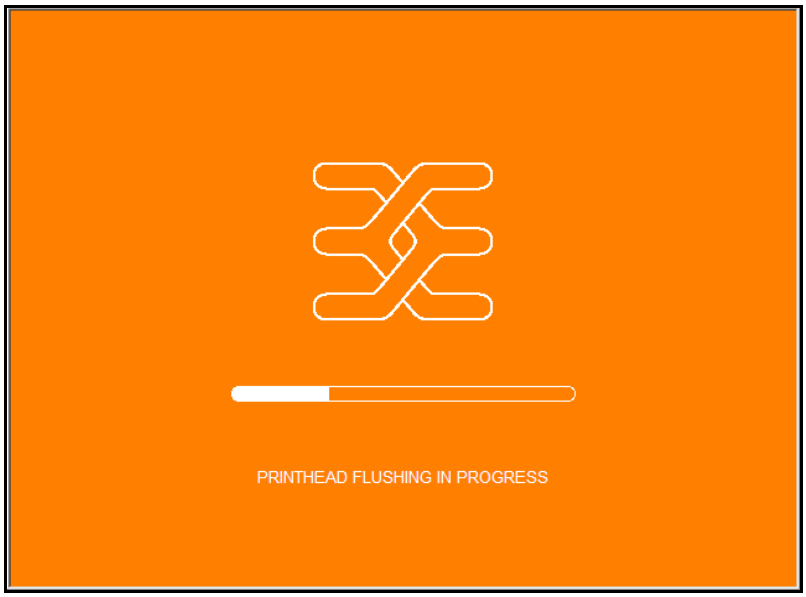



Figure 138 Touch panel – printhead flushing duration

### 6.1.3 Executing a sensor check

In a sensor check, all sensors in the printer are checked to make sure they are functioning. If a sensor is soiled, for example, it cannot detect when a MultiCard/MetalliCard passes through.

1 Insert a MultiCard in the printer.
2 Touch the [TOOLS] button in the main menu.
3 Touch the [SENSOR CHECK] button in the Tools menu.

The following window appears:

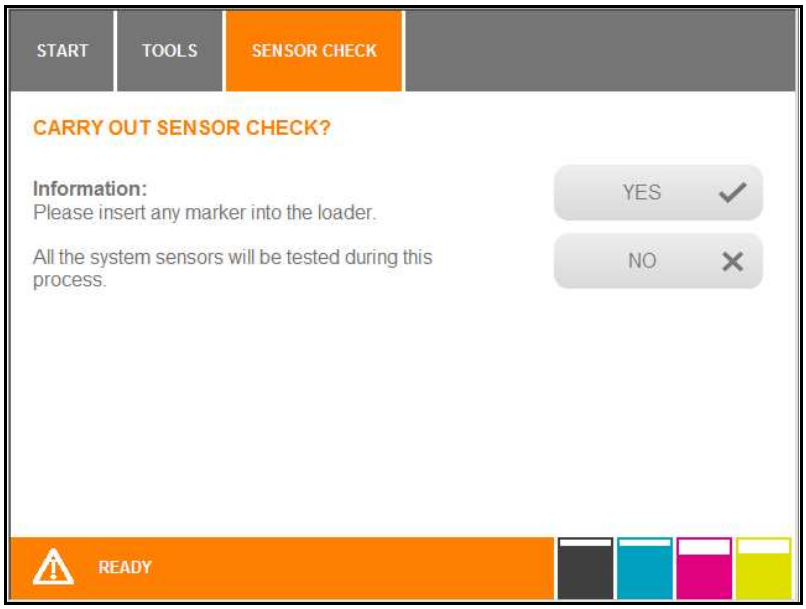



Figure 139 Touch panel – execute sensor check

Touch the [NO] button if a sensor check should not be executed:

4 Touch the [YES] button if a sensor check should be executed:

All sensors in the system are now checked. The following window is displayed during this time:

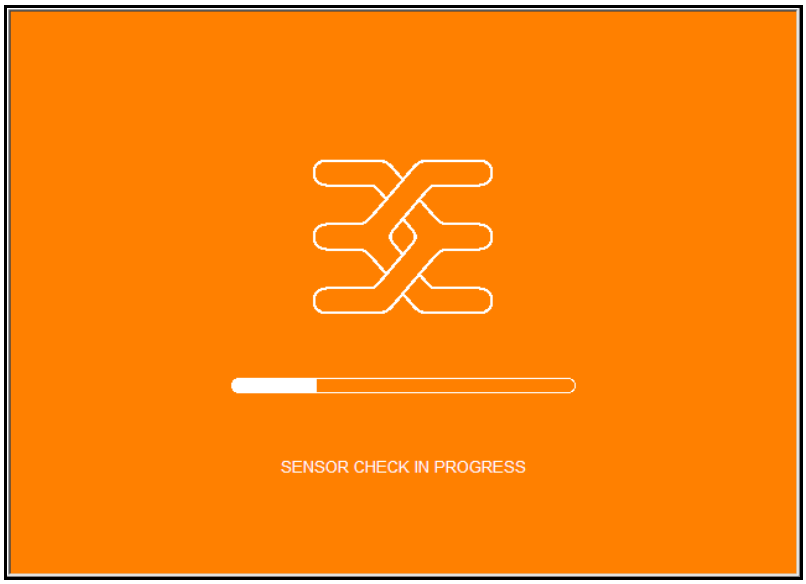



Figure 140 Touch panel – sensor check in progress

A status page is subsequently displayed which presents the sensors and shows whether they are correct or not.

Contact a service technician in case of an error.

### 6.1.4 Executing a nozzle check

If the print quality is not OK, there might be a blocked or dried out nozzle. To see if this is the case, execute a nozzle check.

1 Touch the [TOOLS] button in the main menu.
2 Touch the [NOZZLE CHECK] button in the Tools menu.

The following window appears:

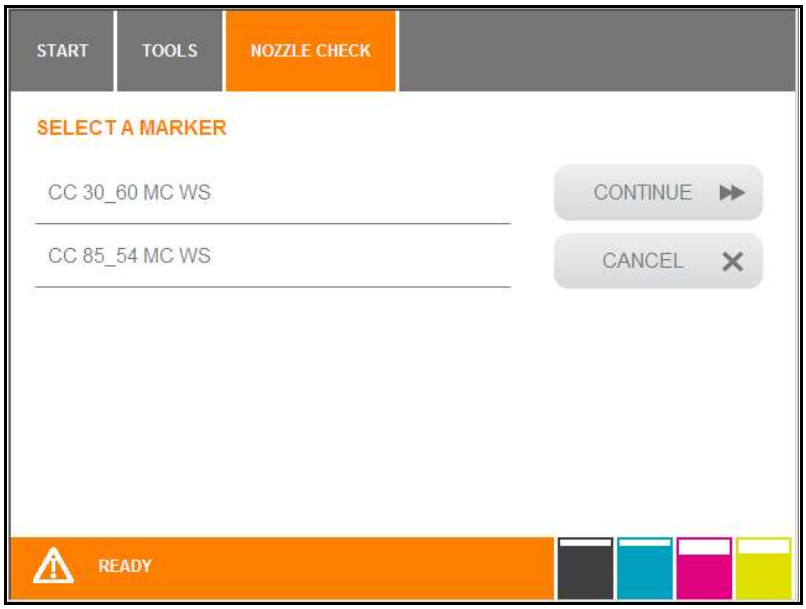



Figure 141 Touch panel – selecting a MultiCard for a nozzle check

3 Select a MultiCard for the nozzle check by touching the respective MultiCard, e.g. [CC 30 / 60 MC WS].
4 Touch the [NEXT] button.

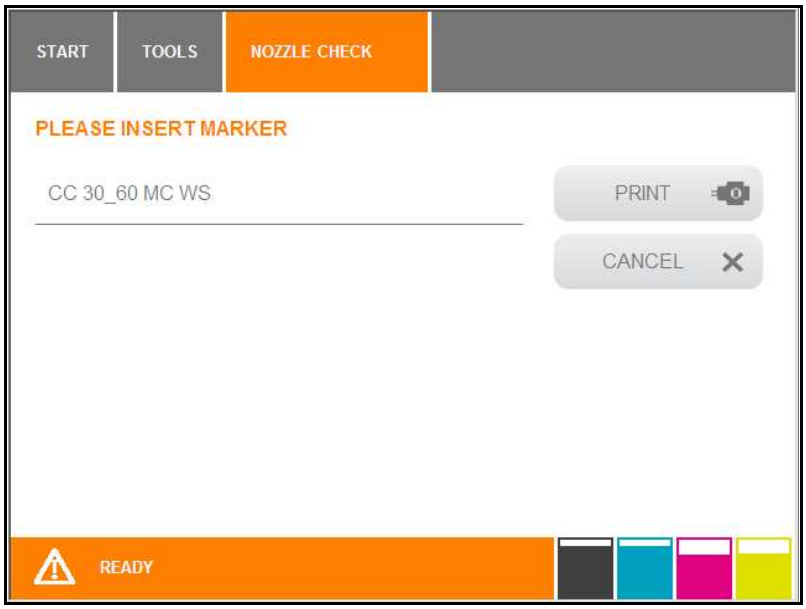



Figure 142 Touch panel – inserting a MultiCard for the nozzle check

Touch the [CANCEL] button to cancel the process.

**5** Insert the selected MultiCard into the loader.

**6** Touch the [PRINT] button.

The following screen is displayed during the nozzle check:

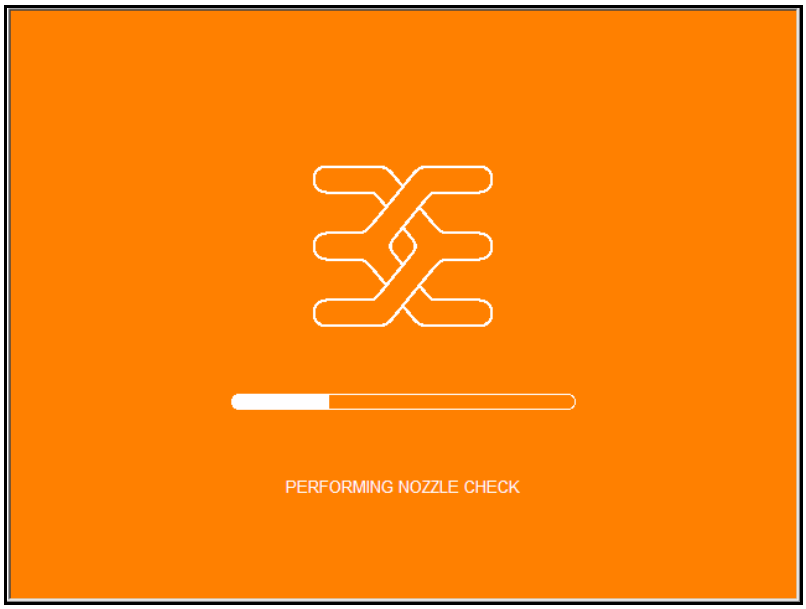



Figure 143 Touch panel – nozzle check in progress

## 6.2 Replacing ink cartridges

Replace the ink cartridges when they are empty or their expiration date has been reached.

### Handling ink cartridges

Observe the following information when replacing ink cartridges:

**⚠ CAUTION**

The ink cartridges are sealed units. Under normal circumstances, ink will not leak out of an ink cartridge.

Always handle used ink cartridges with care as ink can be in the ink supply outlet.

- If you get ink on your hands, wash them thoroughly with soap and water. If you get ink in your eyes, rinse immediately with plenty of water.
- If you accidentally swallow any ink, rinse out your mouth and drink plenty of water. Do not induce vomiting.
- Keep ink cartridges out of reach of children.
- Never allow children to play with ink cartridges.
- Printer ink is not suitable for human consumption. No not allow ink to come into contact with the mucous membranes.

- Only remove ink cartridges from the printer when they are empty or their use-by date has expired. Removing an ink cartridge can cause leaks in the connection between the ink cartridge and the ink line. This can lead to a faulty ink feed system.
- Never use out-of-date ink cartridges. When the use-by date of the ink approaches (printed on the packaging), a message is displayed at the touch panel. Replace the specified ink cartridge. For the best printing results, the ink in the cartridge should be used within nine months of installation.

***NOTE***

Using expired ink reduces the print quality and can cause damage to the printer. Damages due to the use of out-of-date ink cartridges are excluded from the warranty.

- Do not shake ink cartridges, as this may cause ink to leak.
- Do not disassemble or try to refill ink cartridges.
- Store unopened ink cartridges in a cool and dry place, preferably in a refrigerator at about 4 °C.
- Before using an ink cartridge that has been stored in a colder place, allow the cartridge to stand at room temperature for at least three hours.
- Install ink cartridges in the printer immediately after removing them from the packaging. The print quality can be impaired if an ink cartridge is left unpacked for any length of time before use.
- Ink is used when a new ink cartridge is inserted or when the ink tank lid is opened, as the printer always carries out a reliability check.
- Always handle ink cartridges with care, otherwise ink could spill and cause soiling.
- Never touch the ink supply outlet of the ink cartridge or the area around it.

The ink filling level can be displayed at the touch panel; if necessary, replace the ink cartridges.

**1** Select the [SYSTEM INFO] button in the main menu.

**2** Change to the second page of the System info

**3** Touch the [INK LEVEL] button.

The following window appears:

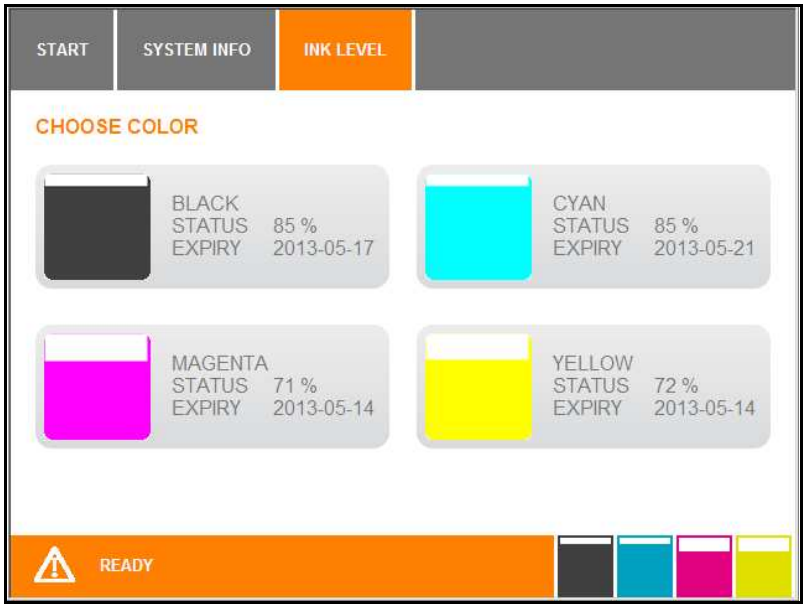



Figure 144 Touch panel – System Info – ink level

If the expiration date of an ink cartridge has been reached, a message is automatically displayed on the touch panel.

Figure 145 Touch panel – ink cartridge out-of-date

Important components can become blocked and the printer may be damaged if you touch the [Yes] button and continue to print with the out-of-date ink cartridge. Damages due to the use of out-of-date ink cartridges are excluded from the warranty. Therefore, replace out-of-date ink cartridges immediately! (Also see information shown via the [PLEASE NOTE] button.)

**4** Touch the [NO] button.

**5** Replace the ink cartridge.

The following information is displayed after touching the [INFORMATION] button:

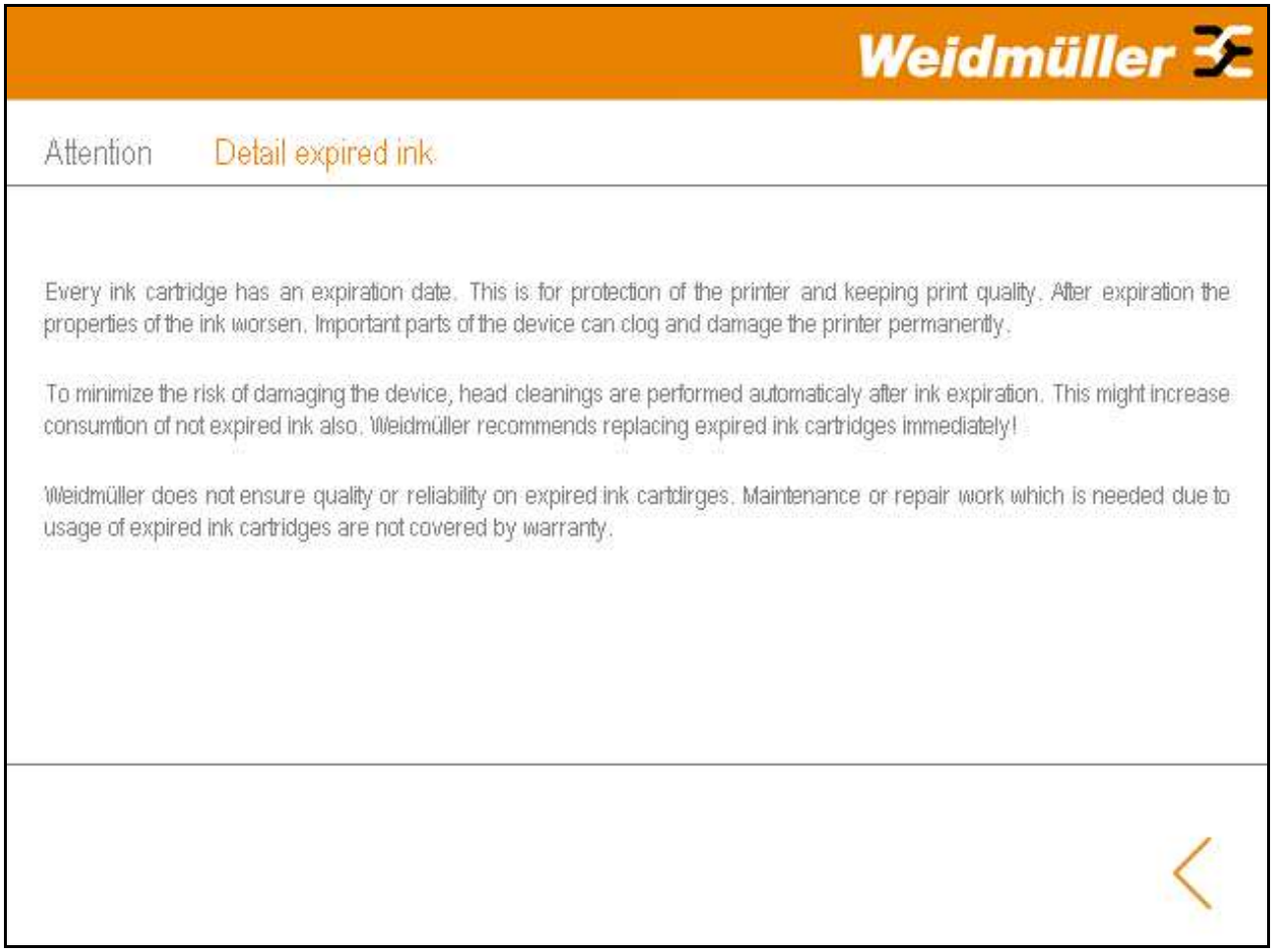

Weidmüller
Attention
Detail expired ink
Every ink cartridge has an expiration date. This is for protection of the printer and keeping print quality. After expiration the properties of the ink worsen. Important parts of the device can clog and damage the printer permanently.
To minimize the risk of damaging the device, head cleanings are performed automaticaly after ink expiration. This might increase consumtion of not expired ink also. Weidmüller recommends replacing expired ink cartridges immediately!
Weidmüller does not ensure quality or reliability on expired ink cartdirges. Maintenance or repair work which is needed due to usage of expired ink cartridges are not covered by warranty.

Figure 146 Touch Panel – ink cartridge empty

Touch the arrow to return to the previous screen.

**Important information**

If you open the ink tank lid, the printer stops.

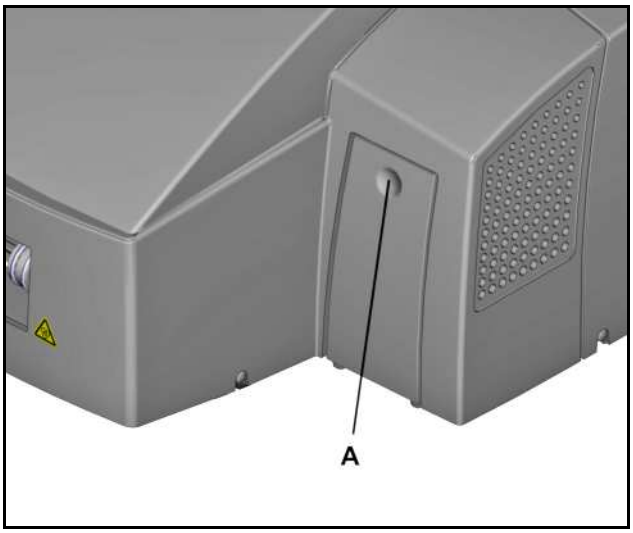



Figure 147 Opening the ink tank lid

**1** Open the ink tank lid by pressing the finger recess (A).

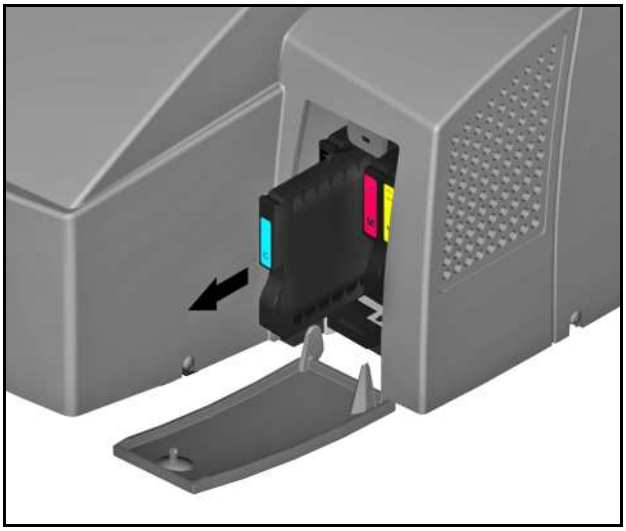


Figure 148 Removing the ink cartridge

**2** Remove the ink cartridge which must be replaced by extracting it horizontally.

### Information on inserting ink cartridges

The ink cartridges are electronically and mechanically coded, ensuring they can only be inserted correctly.

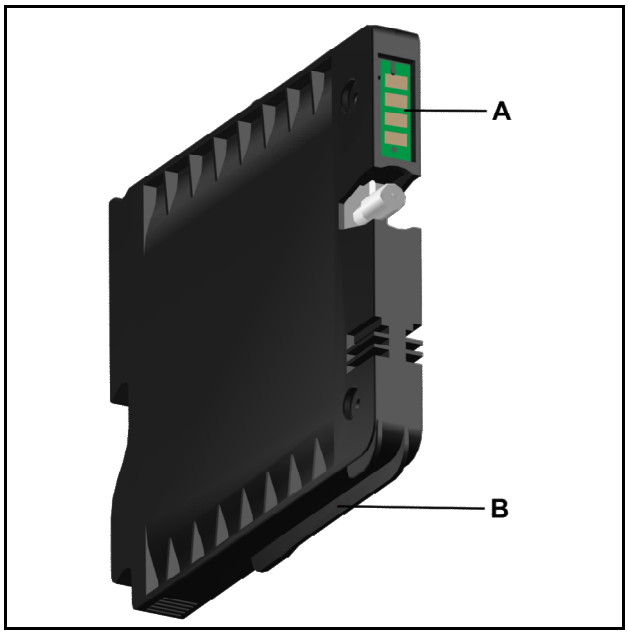



Figure 149 Coding of the ink cartridges

**A** Electronic coding

**B** Mechanical coding

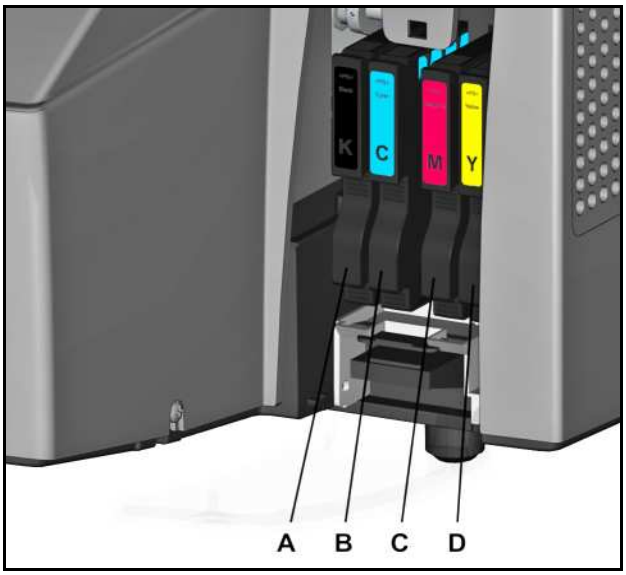



Figure 150 Positions of the ink cartridges

**A** Black ink cartridge (K)

**B** Cyan ink cartridge (C)

**C** Magenta ink cartridge (M)

**D** Yellow ink cartridge (Y)

**3** Remove the ink cartridge from its packaging.

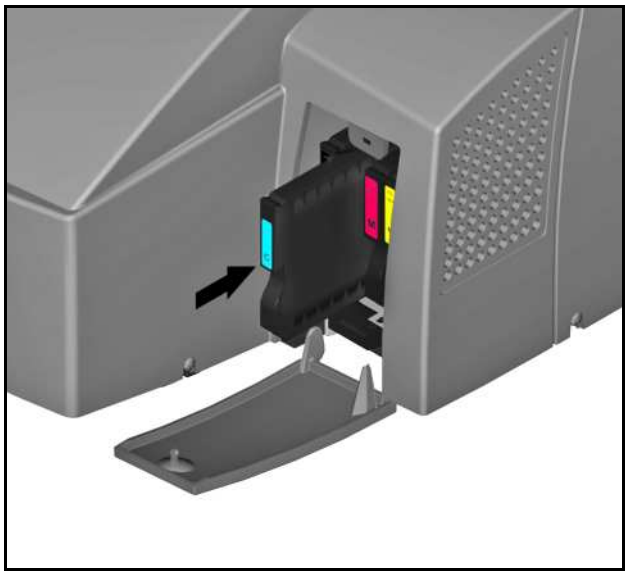


Figure 151 Inserting an ink cartridge

**4** Insert the ink cartridge into the printer. The ink cartridge is properly inserted when it snaps into place.

## 6.3 Replacing the wastepad

Replace the wastepad if a touch panel message displays that it is full.

Proceed as follows for more information:

1 Touch the [SYSTEM INFO] button on the main menu.

2 Change to the second page of the System Info.

3 Touch the [PROTOCOL] button.

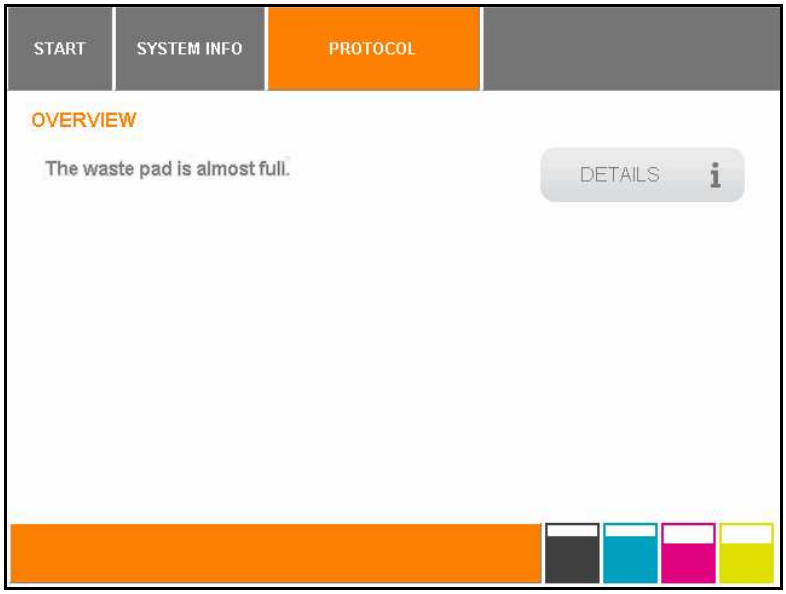



Figure 152 Touch panel – System Info – protocol

4 Touch the [DETAILS] button to display more information about the message and, if necessary, a proposed solution.

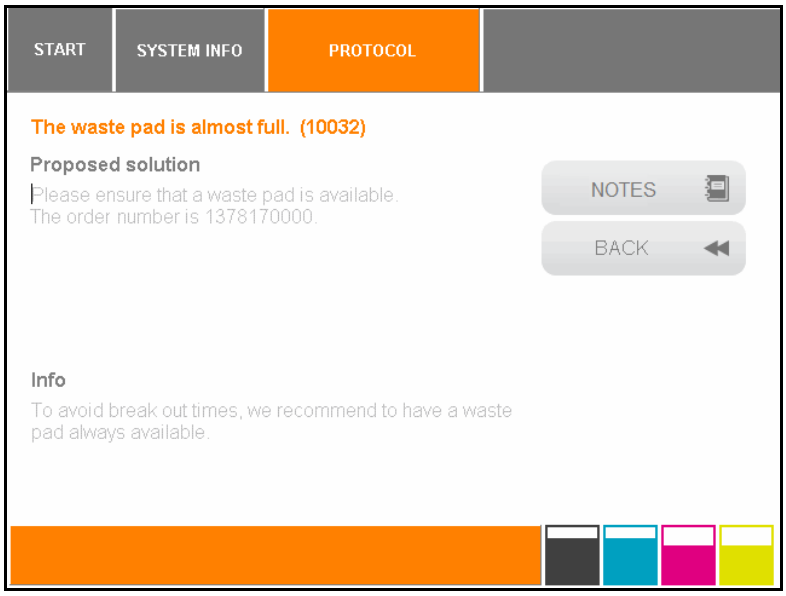



Figure 153 Touch panel – System Info – protocol

Use the [NOTES] button to display information.

**Important information**

Do not open the wastepad. The complete tray must be replaced.

Dispose of the wastepad through an authorized dealer or at a suitable hazardous materials disposal center. Check local regulations before attempting to dispose of the wastepad yourself.

**Important information**

If you open the ink tank lid, the printer stops.

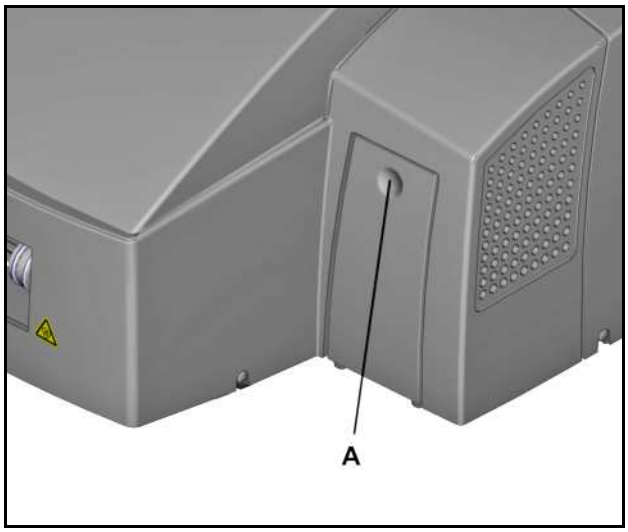



Figure 154 Opening the ink tank lid

**1** Open the ink tank lid by pressing the finger recess (A).

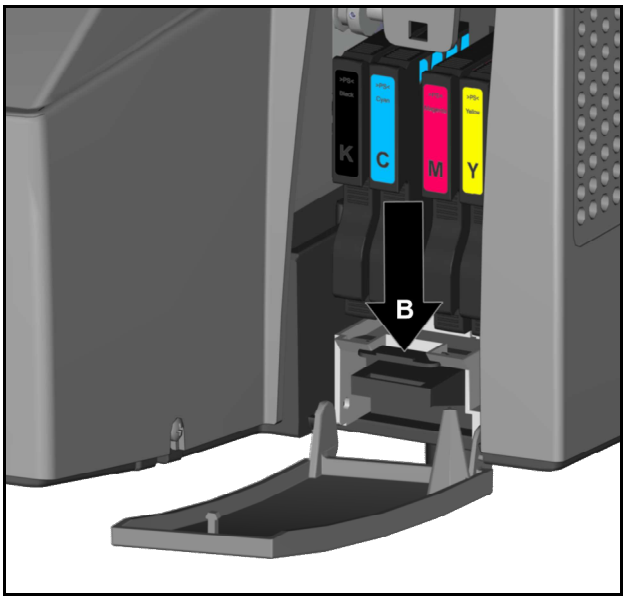



Figure 155 Unlock the wastepad

**2** Press the interlock (B) downwards and ...

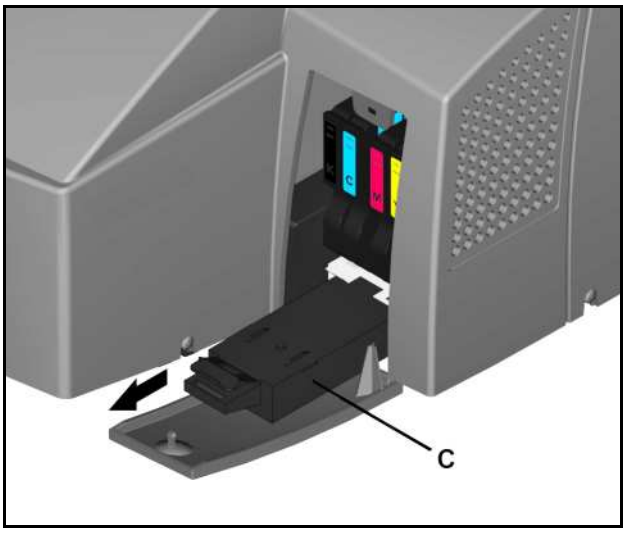



Figure 156 Extracting the wastepad

**3** … extract the wastepad (C).

**4** Insert the new wastepad horizontally.

## 6.4 Replacing the dust filter

Replace the dust filter if it is soiled.

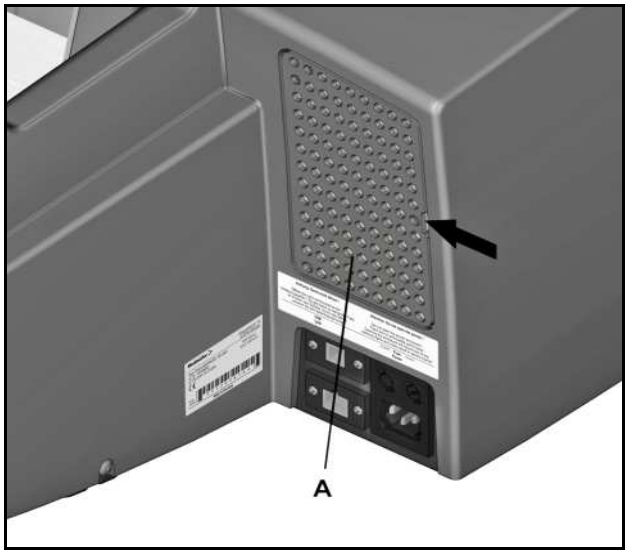



Figure 157 Removing the filter cover

**1** Remove the filter cover (A) by, e.g., inserting a slotted screwdriver into the recess and carefully removing the filter cover. The filter cover is fixed at three points.

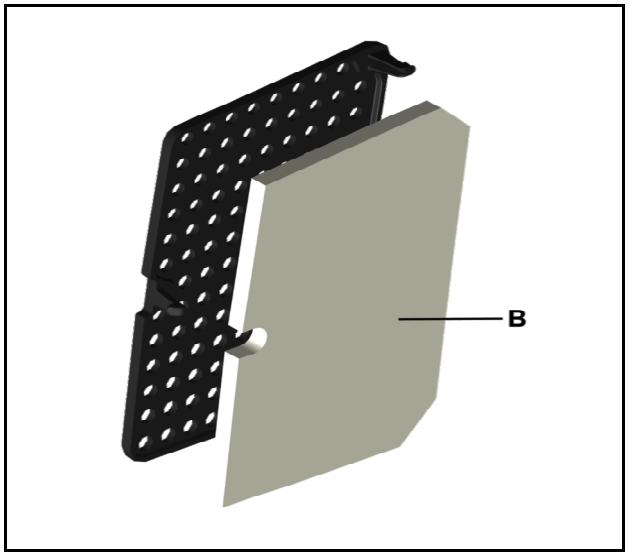



Figure 158 Replacing the dust filter

**2** Replace the dust filter (B).

**3** Re-insert the filter cover until it snaps into place.

## 6.5 Cleaning the printer enclosure

**DANGER**

**Electrical hazard warning**

When cleaning the printer, ensure that no moisture enters it.

Only clean the printer enclosure. Only service technicians should clean the inside of the printer.

Keep moisture away from live parts as it can cause short-circuits.

Regularly clean the outside of the printer enclosure using a soft, dry or slightly moistened cloth.

***NOTE***

Do not use volatile chemicals such as benzene, thinning fluid or insecticide on the printer. The use of such chemicals can result in damage to the printer including cracks or color changes.

If the dirt does not come off, initially wipe the printer with a cloth moistened with a neutral cleaning agent, then with a moist cloth, and finally with a dry cloth.

## 6.6 Cleaning the touch panel

Clean the touch panel with a cleaning agent suitable for touch screens and a soft, lint-free cloth.

## 6.7 Updating the printer software

Proceed as follows to update the printer software:

**1** Start the M-Print® PRO program.

**2** In M-Print® PRO, choose the menu item 'Extras' and then 'Options'.

**3** In the 'Options' window, choose the entry 'PrintJet ADVANCED' and then 'Administration'.

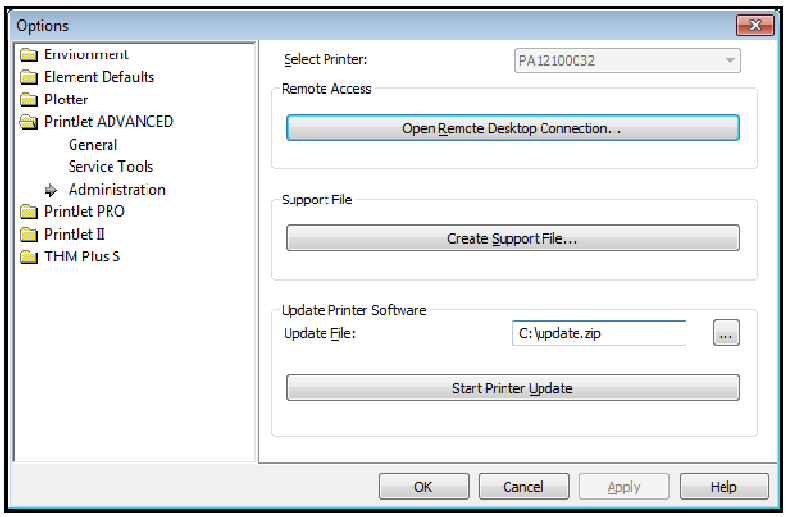



Figure 159 M-Print® PRO – updating the printer software

**4** Select the update file, in the example above it is the 'update.zip' file.

**5** Click on the [Start printer update] button and the following message is displayed.

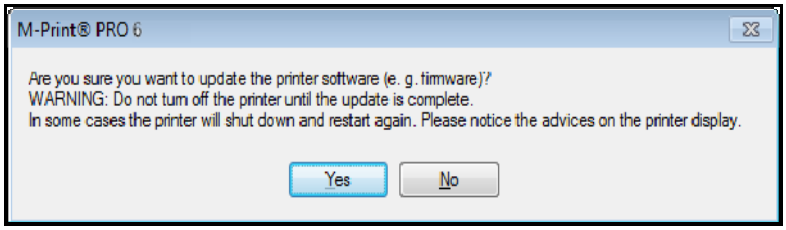

M-Print® PRO 6
Are you sure you want to update the printer software (e. g. firmware)?
WARNING: Do not turn off the printer until the update is complete.
In some cases the printer will shut down and restart again. Please notice the advices on the printer display.
Yes
No

Figure 160 M-Print® PRO – updating the printer software

**6** Confirm the message with [YES].

A successful software update is displayed on the touch panel of the printer.

**7** Touch the [OK] button to confirm it at the touch panel of the printer.

# 7 Troubleshooting

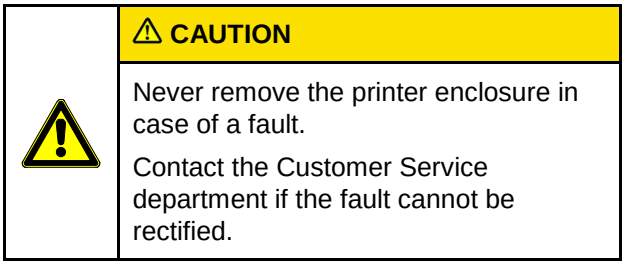
7.1 General information ..... 136
7.2 General troubleshooting ..... 136
7.3 List of events ..... 138

## 7.1 General information

A message on the touch panel indicates a printer fault or when an ink cartridge needs to be replaced.

Touch the [SYSTEMINFO] button in the main menu of the touch panel for more detailed information about this message and to see which measures should be taken. Change to the second page of the System Info and touch the [PROTOCOL] button. The event is displayed. Use the [DETAILS] button to display further information and an appropriate proposed solution.

## 7.2 General troubleshooting



**⚠ CAUTION**

Never remove the printer enclosure in case of a fault.

Contact the Customer Service department if the fault cannot be rectified.

The printing results are unsatisfactory. The printed image is too weak or is spotted.

Check the printer status.

**Has the printer not been used for a long time?**

The ink might have dried up or the printhead nozzles are blocked.

1. Execute a nozzle check (see section "6.1.4 Executing a nozzle check").
2. If necessary, clean the printhead. (See section "6.1.1 Printhead cleaning".)

**Is the printed image unclear or doubled?**

In this case, contact the Weidmüller Customer Service department.

**Is there a problem with the printer's location?**

1. Make sure that the printer is located on a flat even surface.
2. Install the printer at a site that is free from vibration.

**A MultiCard/MetalliCard is stuck in the printer**

Switch off the printer and then switch it back on again.

The card stuck in the printer will be fed out.

**The print is irregular, either too strong or too weak**

Check the following if there is a problem with the print quality, such as irregular print or inappropriate ink quantity:

- **Are you using an out-of-date ink cartridge?**

***NOTE***

Using expired ink reduces the print quality and can cause damage to the printer.

**The printouts are dirty or spotted**

Check the following if the printed marker areas are dirty or spotted:

- **Have you touched the unprinted marker areas of the MultiCard/MetalliCard?**

  Do not touch the unprinted marker area.

- **Are the MultiCards/Is the MetalliCard aligned correctly?**

  Check the alignment of the inserted MultiCard/MetalliCard.

- **Are you using an original Weidmüller ink cartridge?**

  Only use original Weidmüller ink cartridges.

  The printer may be damaged if you are not using an original Weidmüller ink cartridge or if you are using a refilled cartridge.

**Opening the ink tank lid during the print process**

Printing is canceled if the ink tank lid is opened during the printing process.

If you open the lid before the heating unit has switched on, the printing process will resume as soon as the lid is closed.

If you open the lid while the heating unit is already activated, the heating unit will be switched off. The current MultiCard will be printed and fed out of the printer without fixation.

A message is displayed on the touch panel.

The filling level of the ink cartridges is set to 'empty'. The printer automatically starts re-initialization of the ink tank system (takes up to 2 minutes).

## 7.3 List of events

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 30019 | Internal ink collector unit is nearly full. | Please contact your Weidmüller representative to ensure the operating status. | Unlike the ink collecting tray that can be replaced easily by the user, the internal ink collector unit is firmly fitted and can therefore only be replaced by a service technician. | If the internal ink collector unit is full, the printer stops the operation in order to prevent print system malfunctions.<br>Only qualified service technicians should replace components inside the device. |
| 30021 | Internal ink collector unit is nearly full. | Please contact your Weidmüller representative to ensure the operating status. | Unlike the ink collecting tray that can be replaced easily by the user, the internal ink collector unit is firmly fitted and can therefore only be replaced by a service technician. | If the internal ink collector unit is full, the printer stops the operation in order to prevent print system malfunctions.<br>Only qualified service technicians should replace components inside the device. |
| 10032 | Ink collecting tray is nearly full. | Make sure that a new ink collecting tray is available. The order number is 1338710000. | To avoid waiting due to a full ink collecting tray, you should make sure that you always have a new ink collecting tray available. | |
| 10072 | The BLACK ink cartridge (K) is nearly empty. | The ink cartridge is nearly used up. Make sure that a new ink cartridge is available. The order number is 1338690000. | If the ink cartridge is empty, the printer stops the operation in order to prevent print system malfunctions. | |
| 10073 | The CYAN ink cartridge (C) is nearly empty. | The ink cartridge is nearly used up. Make sure that a new ink cartridge is available. The order number is 1338680000. | If the ink cartridge is empty, the printer stops the operation in order to prevent print system malfunctions. | |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 10074 | The MAGENTA ink cartridge (M) is nearly empty. | The ink cartridge is nearly used up. Make sure that a new ink cartridge is available. The order number is 1338670000. | If the ink cartridge is empty, the printer stops the operation in order to prevent print system malfunctions. | |
| 10075 | The YELLOW ink cartridge (Y) is nearly empty. | The ink cartridge is nearly used up. Make sure that a new ink cartridge is available. The order number is 1338650000. | If the ink cartridge is empty, the printer stops the operation in order to prevent print system malfunctions. | |
| 30626 | The cleaning procedure failed. | Replace the ink cartridge if necessary. Restart the printer. | There may be too little or no color in one of the ink cartridges. If the message is displayed again, please contact your Weidmüller representative. | |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 40012 | The expiry date for BLACK (K) has passed. | Replace the BLACK ink cartridge (K). The order number is 1338690000. | Weidmüller urgently recommends that you do not continue to print with inks that have expired, as this can damage the printer. To continue printing, click on [Notes] and confirm that you wish to continue on the next screen. | Each ink cartridge has an expiry date.<br>This helps to protect the print system and to maintain consistent labeling quality.<br>Once the expiry date has passed, the properties of the ink deteriorate. Important components can be clogged and cause permanent damage to the printer.<br>To minimize the risk of damage to the device, the device automatically performs additional cleaning procedures once the expiry date has passed.<br>This can also increase the consumption of inks that have not expired. Weidmüller recommends that you always replace expired ink cartridges immediately.<br>Weidmüller shall not accept any responsibility for the quality or reliability of expired ink cartridges.<br>Servicing or repairs to the device that are necessary as a result of expired ink cartridges are excluded from the warranty. |
| 40013 | The expiry date for CYAN (C) has passed. | Replace the CYAN ink cartridge (C). The order number is 1338680000. | Weidmüller urgently recommends that you do not continue to print with inks that have expired, as this can damage the printer. To continue printing, click on [Notes] and confirm that you wish to continue on the next screen. | |
| 40014 | The expiry for MAGENTA (M) has passed. | Replace the MAGENTA ink cartridge (M). The order number is 1338670000. | Weidmüller urgently recommends that you do not continue to print with inks that have expired, as this can damage the printer. To continue printing, click on [Notes] and confirm that you wish to continue on the next screen. | |
| 40015 | The expiry date for YELLOW (Y) has passed. | Replace the YELLOW ink cartridge (Y). The order number is 1338650000. | Weidmüller urgently recommends that you do not continue to print with inks that have expired, as this can damage the printer. To continue printing, click on [Notes] and confirm that you wish to continue on the next screen. | |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 40002 | Faulty BLACK ink cartridge (K). | Restart the printer.<br>Replace the BLACK ink cartridge (K).<br>The order number is 1338690000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | Printer faults and damage caused by the use of unapproved and unsuitable accessories and consumables are excluded from the warranty.<br>Furthermore, Weidmüller shall not accept any responsibility for the print quality and print resistance if third-party software, markers or inks have been used that have not been approved by Weidmüller for this system. |
| 40003 | Faulty CYAN ink cartridge (C). | Restart the printer.<br>Replace the CYAN ink cartridge (C).<br>The order number is 1338680000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40004 | Faulty MAGENTA ink cartridge (M). | Restart the printer.<br>Replace the MAGENTA ink cartridge (M).<br>The order number is 1338670000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40005 | Faulty YELLOW ink cartridge (Y). | Restart the printer.<br>Replace the YELLOW ink cartridge (Y).<br>The order number is 1338650000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40205 | The ink tank cover is open. | Close the ink tank cover. | Please contact your Weidmüller representative if the error persists. | |
| 40101 | No ink cartridges have been detected. | Insert the ink cartridges and make sure that they are fully engaged.<br>The order number for a colour set is 1338720000. | Please contact your Weidmüller representative if the error persists. | |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 40172 | Faulty BLACK ink cartridge (K). | Restart the printer.<br>Replace the BLACK ink cartridge (K).<br>The order number is 1338690000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | Printer faults and damage caused by the use of unapproved and unsuitable accessories and consumables are excluded from the warranty.<br>Furthermore, Weidmüller shall not accept any responsibility for the print quality and print resistance if third-party software, markers or inks have been used that have not been approved by Weidmüller for this system. |
| 40173 | Faulty CYAN ink cartridge (C). | Restart the printer.<br>Replace the CYAN ink cartridge (C).<br>The order number is 1338680000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40174 | Faulty MAGENTA ink cartridge (M). | Restart the printer.<br>Replace the MAGENTA ink cartridge (M).<br>The order number is 1338670000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40175 | Faulty YELLOW ink cartridge (Y). | Restart the printer.<br>Replace the YELLOW ink cartridge (Y).<br>The order number is 1338650000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | |
| 40030 | Faulty ink collecting tray. | Restart the printer.<br>Replace the ink collecting tray.<br>The order number is 1338710000. | Only use original Print**JET ADVANCED** ink cartridges.<br>Please contact your Weidmüller representative if the error persists. | Do not open the wastepad. The complete tray must be replaced.<br>Dispose of the wastepad through an authorized dealer or at a suitable hazardous materials disposal center.<br>Check local regulations before attempting to dispose of the wastepad yourself. |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 40159 | The ink collecting tray was not inserted correctly. | Insert the ink collecting tray correctly and make sure that it is fully engaged. Restart the printer if necessary. | If the message is displayed again, please contact your Weidmüller representative. | |
| 40904 | The temperature is too high. | Wait a while until the printer has acclimatized. Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |
| 40905 | The temperature is too low. | Wait a while until the printer has acclimatized. Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |
| 40011 | The ink collector unit is full. | Replace the ink collector unit. The order number is 1338710000. | If the ink collector unit is full, you can no longer continue to print. | Do not open the wastepad. The complete tray must be replaced.<br>Dispose of the wastepad through an authorized dealer or at a suitable hazardous materials disposal center.<br>Check local regulations before attempting to dispose of the wastepad yourself. |
| 10044 | The temperature is too low. | Wait a while until the printer has acclimatized. Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |
| 10045 | The temperature is too high. | Wait a while until the printer has acclimatized. Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |
| | Internal error | Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |

| Code | Event | Measure | Information | |
|---|---|---|---|---|
| 60005 | Transport timeout | Restart the printer.<br>Carry out a sensor test. | The marker was not transported within the defined time.<br>If the message is displayed again, please contact your Weidmüller representative. | |
| 60006 | Internal error | Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |
| 60007 | Faulty ink cartridge. | Restart the printer.<br>Check that the ink cartridge is installed correctly.<br>Please contact your Weidmüller representative if the error persists. | Only use original Print**JET ADVANCED** ink cartridges. | Printer faults and damage caused by the use of unapproved and unsuitable accessories and consumables are excluded from the warranty.<br>Furthermore, Weidmüller shall not accept any responsibility for the print quality and print resistance if third-party software, markers or inks have been used that have not been approved by Weidmüller for this system. |
| 60008 | Transport timeout | Restart the printer.<br>Carry out a sensor test. | The marker was not transported within the defined time.<br>If the message is displayed again, please contact your Weidmüller representative. | |
| 60009 | Internal error | Restart the printer. | If the message is displayed again, please contact your Weidmüller representative. | |

# 8 Transporting the printer

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## 8.1 Decommissioning the printer

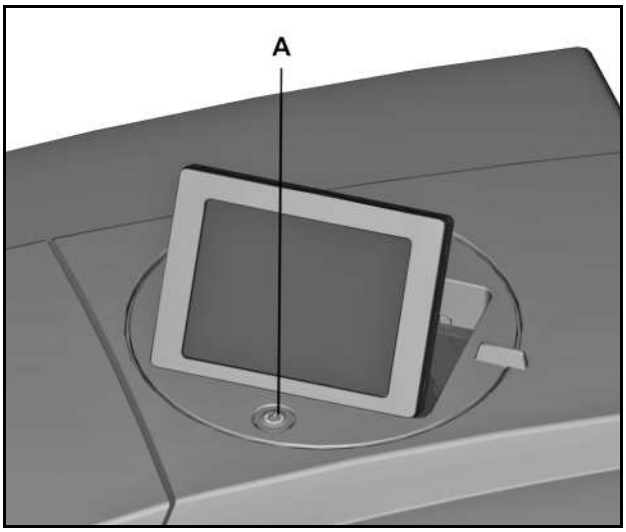


Figure 161 Switching off the printer

**A** On/off switch

**1** Switch off the printer at the On/Off switch (A).

**2** Disconnect all cables from the printer.

- **a** Power cable
- **b** Network cable or USB cable

**3** Remove the remaining MultiCards from the loader.

**4** Prior to transporting the printer, ensure that the ink cartridges have been inserted correctly.

**5** Fold down the touch panel and secure it with adhesive tape.

**6** Secure the ink tank lid with adhesive tape.

**7** Remove the output rail.

## 8.2 Packing the printer

**Important information**

Only use the original packaging when transporting or dispatching the printer over long distances (e.g. relocating).

Only then can the best protection be guaranteed for the printer during transport.

If you no longer have the original packaging, you can order a packaging kit from Weidmüller under the order number 1408670000 PJ ADV VP SET.

***NOTE***

Because of its weight the printer must always be carried by two people. Always hold the printer at the front and rear when carrying it.

**1** Place the printer in the polystyrene packaging material

**2** The carefully place the printer into the cardboard box.

**3** Put the printer accessories into the cardboard box.

**4** Close the cardboard box.

## 8.3 Disposing of the printer

Proceed as follows to dispose of the printer:

1. Decommission the printer (see section "8.1 Decommissioning the printer").
2. Pack the printer in the original packaging (see section "8.2.Packing the printer").
3. Send the printer to your Weidmüller sales agent through a parcel service.

Weidmüller will then professionally recycle and dispose of your printer in accordance with the current laws and regulations.

Weidmüller will take care of all recycling and waste disposal measures. You will incur no costs or suffer any inconvenience.

# 9 Annex

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## 9.1 Technical data

| Technical data | |
|---|---|
| Application | Printing on Weidmüller MultiCards and MetalliCards |
| Technology: | Ink-jet process with heat fusing |
| Print quality: | 600 dpi, 1200 dpi |
| Labeling and marking software: | M-Print® PRO |
| System requirements: | Microsoft Windows® 7, VISTA and XP |
| Feed: | Automatic loader for max. 30 MultiCards (for MultiCards only)<br>Single feed for MetalliCards and MultiCards |
| Interfaces: | USB 1.1 / 2.0 and network 10 Base-T / 100 Base-TX |
| Voltage supply: | AC 220 – 240 V / 4 A , 50/60 Hz or AC 100-120 V / 8 A , 50/60 Hz |
| Fuses: | Right-hand fuse: 10 AHT 240/120 V<br>Left-hand fuse: 2.5 AHT 240/120 V |
| Operating location: | Office conditions |
| Ambient temperature: | 10 °C – 35 °C<br>50 °F – 95 °F |
| Dimensions (L x W x H): | Length including output rail: approx. 1138 mm (44.80")<br>Length without output rail: approx. 945 mm (37.20")<br>Width: 554 mm (21.81")<br>Height with folded down touch panel: 328 mm (12.91")<br>Height with folded up touch panel: 422 mm (16.61") |
| Weight: | 57.8 kg (127.43 lb) with packaging<br>37.2 kg (82.01 lb) without packaging |
| Ink system: | Color system→ 1 x black 1 x cyan, 1 x magenta, 1 x yellow |
| Scope of supply: | • Print**Jet ADVANCED**<br>• Power cable<br>• USB cable<br>• 1 MultiCard DEK 5/5<br>• 10 MetalliCards CC-M 85/54 AL<br>• 1 Inlay CC 85/54<br>• Output rail<br>• DVD with the M-Print® PRO software<br>• Quick guide<br>• User Manual<br>• 10 primer cloths<br>The printer is equipped with ink cartridges and the wastepad. |

Table 2 Technical data

## 9.2 Ordering data

| Name | Article number |
|---|---|
| Print**JET ADVANCED** 230 V | 1324380000 |
| Print**JET ADVANCED** 110 V | 1338700000 |
| PJ ADV TNTK INK K<br>Black ink cartridge | 1338690000 |
| PJ ADV TNTK INK C<br>Cyan ink cartridge | 1338680000 |
| PJ ADV TNTK INK M<br>Magenta ink cartridge | 1338670000 |
| PJ ADV TNTK INK Y<br>Yellow ink cartridge | 1338650000 |
| PJ ADV TNTK INK SET<br>Colour set | 1338720000 |
| TNAW PJ ADV<br>Wastepad | 1338710000 |
| PJ ADV FIVL<br>Filter membrane | 1409080000 |
| Primer CC-M | 1341200000 |

Table 3 Ordering data

## 9.3 Declaration of conformity

Weidmüller

**EG-Konformitätserklärung**
**EC Declaration of Conformity**

| | |
|---|---|
| Dokument-Nr.<br>Document No. | **WI-BUI-13/03/27** |
| Hersteller / Manufacturer | **Weidmüller Interface GmbH & Co. KG** |
| Anschrift / Address | **Klingenbergstr. 16**<br>**32758 Detmold, Germany** |
| Gegenstand der Erklärung /<br>Object of the declaration | **PRINTJET ADVANCED**<br>**1324380000 220-240Vac 50-60Hz, 4A**<br>**1338700000 100-120Vac 50-60Hz, 8A** |

Der Hersteller erklärt in alleiniger Verantwortung, dass der oben beschriebene Gegenstand mit den grundlegenden Anforderungen der Richtlinien übereinstimmt: / The manufacturer attests, in sole-responsibility, that the object of the declaration described above is in conformity with the essential requirements of directive(s):

| | | | |
|---|---|---|---|
| ☒ | **2006/95/EG** | Niederspannungsrichtlinie (NSR)<br>Anbringung der CE-Kennzeichnung: / Affixing of the CE marking: 2005 | Low Voltage Directive (LVD) |
| ☒ | **2004/108/EG** | Elektromagnetische Verträglichkeit (EMV) | Electromagnetic Compatibility (EMC) |
| ☐ | **98/37/EG** | Maschinenrichtlinie<br>geändert durch die Richtlinien 91/368/EWG, 93/44/EWG und 93/68/EWG | Mechanical Equipment - Machinery<br>modified by the Directives 91/368/EEC, 93/44/EEC and 93/68/EEC |
| ☐ | **94/9/EG** | ATEX-Richtlinie<br>Kennzeichnung (Gerätegruppe, Kategorie, Atmosphäre) / Marking (Equipment Group, Category, Atmosphere)<br>II 2 G D Ex e II | ATEX Directive |
| ☐ | **1995/5/EG** | Funkanlagen und<br>Telekommunikationsendeinrichtungen | Radio Equipment and<br>Telecommunications Terminal Equipment (R&TTE) |

Verweis auf die angewandten relevanten harmonisierten Normen oder Bestimmungen aufgrund derer die Konformität erklärt: / References to the relevant harmonised standards used, or references to the specifications in relation to which conformity is declared:

| | | |
|---|---|---|
| EN 60950-1: 2006 | EN 61000-3-2 : 2006 + A1: 2009 + A2 : 2009 | EN 61000-3-3: 2008 |
| EN 55022 : 2010 | | |
| EN 55024 : 2010 | | |

Herausgegebene Zertifikate benannter Stellen: / Issued certificates from notified bodies:

| Benannte Stelle<br>Notified body | Beschreibung der Einbindung<br>Description of intervention | Zertifikat<br>Certificate |
|---|---|---|
| | | |

Detmold, 21.03.2013
Ort, Datum / place, date

Rechtsverbindliche Unterschrift / legally binding signature

Name und Funktion / name and function

Thorsten Bett / Leiter BU Identifikationssysteme

Diese Erklärung bescheinigt die Übereinstimmung mit der genannten Richtlinie, beinhaltet jedoch keine Zusicherung von Eigenschaften. Die Sicherheitshinweise der mitgelieferten Produktdokumentation sind zu beachten. / This declaration certifies compliance with the indicated directive but no warranty of properties. The safety instructions of the accompanying product documentation shall be observe.

F_Entw_Konformitätserklärung

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Estonia
Finland
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Greece
United Kingdom
Hong Kong
India
Indonesia
Iran
Ireland
Iceland
Israel
Italy
Japan
Yemen
Jordan
Canada
Kazakhstan
Qatar
Columbia
Croatia
Kuwait
Latvia
Lebanon
Lithuania
Luxembourg
Malaysia
Macedonia
Mexico
New Zealand
Netherlands
Norway
Austria
Oman
Paraguay
Peru
Philippines
Poland
Portugal
Romania
Russia
Saudi Arabia
Sweden
Switzerland
Serbia and Montenegro
Singapore
Slovakia
Slovenia
Spain
South Africa
South Korea
Syria
Taiwan
Thailand
Czech Republic
Turkey
Ukraine
Hungary
Uruguay
USA
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Venezuela
Vietnam
Belarus

Weidmüller is the leading manufacturer of components for electrical connectivity. The Weidmüller product range includes terminal blocks, PCB plug-in connectors, protected component assemblies, industrial Ethernet components as well as relay modules to power supply and surge protection modules of all connection types. Material for electrical installation and equipment marking, basic I/O components, and tools round off the product range. As an OEM provider, the company sets standards worldwide in electrical and device connectivity.

Order number
1449820000/1.1/03.13